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STRUCTURE FILE UPDATES: 29 JAN 2006 HIGHEST RN 872967-60-7 DICTIONARY FILE UPDATES: 29 JAN 2006 HIGHEST RN 872967-60-7

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TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

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http://www.cas.org/ONLINE/UG/regprops.html

E CODDED/CM 5

		E	COPPER/CN 5
L1	1	S	E3
		E	SILVER/CN 5
L2	1	S	E3
		E	ZINC/CN 5
L3	1	S	E3
		Ε	ZINC ALLOY/CN
		E	ZINC ALLOYS/CN
L4	104237	S	(ZINC ALLOY? OR COPPER ALLOY?)/CN
		E	ZIRCONIUM NITRIDE/CN 5
L5	381	S	ZIRCONIUM NITRIDE ?/CN
		E	NITRIDE/CN 5
L7	21	S	NITRIDE ?/CN
		E	CARBIDE/CN
T 8	6	S	E3-8
L10	201	S	CHROMIUM NITRIDE?/CN
L11	2123	S	TITANIUM NITRIDE?/CN
L12	3	s	L1 OR L2 OR L3
L13	2649	S	L5 OR L10 OR L11 OR L7 OR L8

FILE 'HCAPLUS' ENTERED AT 14:52:45 ON 30 JAN 2006 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE COVERS 1907 - 30 Jan 2006 VOL 144 ISS 6 FILE LAST UPDATED: 29 Jan 2006 (20060129/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

L1	1	SEA FILE=REGISTRY ABB=ON PLU=ON COPPER/CN
L2	1	SEA FILE=REGISTRY ABB=ON PLU=ON SILVER/CN
L3	1	SEA FILE=REGISTRY ABB=ON PLU=ON ZINC/CN
L4	104237	SEA FILE=REGISTRY ABB=ON PLU=ON (ZINC ALLOY? OR COPPER
		ALLOY?)/CN
L5	381	SEA FILE=REGISTRY ABB=ON PLU=ON ZIRCONIUM NITRIDE ?/CN
L7	21	SEA FILE=REGISTRY ABB=ON PLU=ON NITRIDE ?/CN
L8	6	SEA FILE=REGISTRY ABB=ON PLU=ON (CARBIDE/CN OR "CARBIDE
		(C174-)"/CN OR "CARBIDE (C254-)"/CN OR "CARBIDE (C334-)"/CN
		OR "CARBIDE (C414-)"/CN OR "CARBIDE (C94-)"/CN)
L10	201	SEA FILE=REGISTRY ABB=ON PLU=ON CHROMIUM NITRIDE?/CN
L11	2123	SEA FILE=REGISTRY ABB=ON PLU=ON TITANIUM NITRIDE?/CN
L12	3	SEA FILE=REGISTRY ABB=ON PLU=ON L1 OR L2 OR L3
L13	2649	SEA FILE=REGISTRY ABB=ON PLU=ON L5 OR L10 OR L11 OR L7
		OR L8
L14	1959868	SEA FILE=HCAPLUS ABB=ON PLU=ON L12 OR COPPER OR CU OR ZN
		OR ZINC OR SILVER OR AG
L15	71792	SEA FILE=HCAPLUS ABB=ON PLU=ON L13 OR (CR OR CHROMIUM OR
		TI OR TITANIUM OR ZR OR ZIRCONIUM OR METAL) (5A) NITRIDE OR
		METAL (5A) CARBIDE
L16	11095	SEA FILE=HCAPLUS ABB=ON PLU=ON L14 AND L15
L17	7515	SEA FILE=HCAPLUS ABB=ON PLU=ON L16 AND (SUBSTRATE OR
		ALLOY OR L4 OR STAINLESS STEEL OR CERAMIC OR PLASTIC)
L19	18	SEA FILE=HCAPLUS ABB=ON PLU=ON L17 AND (ANTIMICROB? OR
		ANTI(W) (BACTER? OR MICROB?) OR ANTIBACTER? OR MICROBIOCID?
		OR MICROBICID? OR BACTERICID? OR BACTERIOCID?)

L19 ANSWER 1 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 09 Dec 2005

ACCESSION NUMBER: 2005:1293913 HCAPLUS

DOCUMENT NUMBER: 144:38851

TITLE: Manufacture of stainless steel products with antibacterial and

antiwearing surfaces

INVENTOR(S): Jiang, Peiqi; Mai, Qiao

PATENT ASSIGNEE(S): Peop. Rep. China

SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 9 pp.

CODEN: CNXXEV

DOCUMENT TYPE: Patent LANGUAGE: Chinese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1570196	Α	20050126	CN 2004-10027063	20040430
PRIORITY APPLN. INFO.:			CN 2004-10027063	20040430

AB The title products consist of stainless steel
substrate and several TiN and TiAgN coating layers, wherein
the TiN and TiAgN coating layers are coated on the substrate
, and can be one or more than one layer. The silver and
titanium concentration in the coating layers are changed in gradient, i.e.
the inner coating layer has lower silver content, and higher
titanium content, while the outer coating layer has higher
silver and lower titanium content. The products are manufactured
by magnetron sputtering method, in which the target and the steel
substrate are placed in a shield cover, and nitrogen gas is
fed in during sputtering. The target can be TiAg alloy, a
jointed target composed of Ti and Ag, or targets of Ti and
Ag resp.

IT 7440-22-4, Silver, reactions

RL: RCT (Reactant); RACT (Reactant or reagent)
(manufacture of stainless steel products with

antibacterial and antiwearing surfaces)

IT 25583-20-4P, Titanium nitride

RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(manufacture of stainless steel products with antibacterial and antiwearing surfaces)

L19 ANSWER 2 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 15 Sep 2005

ACCESSION NUMBER: 2005:1000593 HCAPLUS

DOCUMENT NUMBER: 143:292651

TITLE: Antimicrobial sanitary article

INVENTOR(S):
Lo, Wen-Li

PATENT ASSIGNEE(S): Globe Union Industrial Corp., Taiwan

SOURCE: Eur. Pat. Appl., 6 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PAT	CENT	NO.			KIN	D	DATE		i	APPL	ICAT	ION 1	NO.		D	ATE
						_			•							
EP	1574	132			A2		2005	0914	1	EP 2	004-	2561	68		2	0041006
	R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,
		PT,	IE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR,	BG,	CZ,	EE,	HU,
		PL,	SK,	HR					•							
US	2005	2020	99		A1		2005	0915	1	US 2	004-	7978	18		2	0040310

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AA 20050922 CA 2004-2461588 20040322 CA 2461588 A 20040310 US 2004-797818 PRIORITY APPLN. INFO.: AB An antimicrobial sanitary ware includes a substrate and an antimicrobial film formed on the substrate. The antimicrobial film is made of a protective layer and antimicrobial metal particles that are dispersed in the protective layer. The protective layer is made from a compound selected from metal nitrides and metal carbides. The antimicrobial metal particles are made from a metal selected from silver, zinc, and copper. IT 7440-22-4, Silver, biological studies 7440-50-8, Copper, biological studies 7440-66-6, Zinc, biological studies 25658-42-8, Zirconium nitride RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (antimicrobial sanitary article containing) TT 12705-37-2, Chromium nitride 25583-20-4, Titanium nitride RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (protective layer; antimicrobial sanitary article containing) L19 ANSWER 3 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN Entered STN: 06 May 2004 ACCESSION NUMBER: 2004:368877 HCAPLUS 140:368738 DOCUMENT NUMBER: TITLE: Prophylactic treatment methods using metal-containing materials Gillis, Scott H.; Schechter, Paul; Demling, Robert INVENTOR(S): PATENT ASSIGNEE(S): Nucfryst Pharmaceuticals Corp., Can. PCT Int. Appl., 73 pp. SOURCE: CODEN: PIXXD2 DOCUMENT TYPE: Patent English LANGUAGE: FAMILY ACC. NUM. COUNT: 1 PATENT INFORMATION: PATENT NO. KIND DATE APPLICATION NO. DATE ----_----_____ -----WO 2004037186 A2 20040506 WO 2003-US33431 20031022 WO 2004037186 C1 20040722 WO 2004037186 A3 20041021 AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

> Searcher : Shears 571-272-2528

20040506 CA 2003-2500829

20031022

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,

NE, SN, TD, TG

AA

CA 2500829

US 2004110738 A1 20040610 US 2003-690710 20031022
EP 1567101 A2 20050831 EP 2003-777778 20031022
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
PRIORITY APPLN. INFO.: US 2002-420167P P 20021022

WO 2003-US33431 W 20031022

AB Prophylactic treatment methods are disclosed. The methods can include contacting an object and/or an area of a subject with a metal-containing material to reduce the occurrence of a condition at the same area or a different area of the subject. The metal-containing material can be e.g. an antimicrobial material, an anti-biofilm metal containing material, an antibacterial material, an anti-inflammatory material, an anti-fungal material, an anti-viral material, an anti-cancer material, a pro-apoptosis material, an anti-proliferative material, an matrix metalloproteinase-modulating material, an atomically disordered, crystalline material, and/or a nanocryst. material. In certain embodiments, the metal-containing material is an atomically disordered, nanocryst. silver-containing material.

L19 ANSWER 4 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 05 Mar 2004

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ACCESSION NUMBER: 2004:179773 HCAPLUS

DOCUMENT NUMBER: 140:201481

TITLE: Washing machines for clothing provided with a

device comprising a photoelectron-evolving material for evolution of negatively charged particles for control of growth of fungi and bacteria in the washing machine without causing

ozone evolution

INVENTOR(S): Moriya, Yoshifumi; Nawama, Junichi; Kuchino,

Kunikazu

PATENT ASSIGNEE(S): Matsushita Electric Industrial Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004065427	A2	20040304	JP 2002-227106	20020805
PRIORITY APPLN. INFO.:			JP 2002-227106	20020805

AB The washing machines (A1) are provided with an air circulating device for circulation of air inside the washing machine, a photoelectron-evolving material (A), and a light source for irradiating UV rays onto A photoelectron-evolving material for evolution of neg. charged particles, or the washing machines comprise above A1 washing machines having the feature of detecting the amount of evolution of neg. charged particles by measuring the quantity of electricity flowing through the elec. connected circuit of A photoelectron-evolving material, or the washing machines comprise

above Al washing machines having A photoelectron-evolving material provided on an elec. connected elec. conductive material (B), or the washing machines comprise above Al washing machines having A photoelectron-evolving material consisting of ≥1 type of material from Au, Pt, Aq, Cu, stainless steel, and titanium nitride. Clothing were washed in a washing machine having Au as A photoelectron-evolving material and stainless steel as B conductive material to cause evolution of neg. charged H2O, O2, or dust in air and give washed clothing.

IT 7440-50-8, Copper, uses

f,

RL: TEM (Technical or engineered material use); USES (Uses) (conductive material; washing machines for clothing provided with device comprising photoelectron-evolving material for evolution of neq. charged particles for control of growth of fungi and bacteria in washing machine)

IT 7440-22-4, Silver, uses 25583-20-4, Titanium nitride

RL: TEM (Technical or engineered material use); USES (Uses) (photoelectron-evolving material; washing machines for clothing provided with device comprising photoelectron-evolving material for evolution of neg. charged particles for control of growth of fungi and bacteria in washing machine)

L19 ANSWER 5 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

Entered STN: 04 Mar 2004

2004:175708 HCAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 140:200989

TITLE: Clothing dryers provided with a device comprising a photoelectron-evolving material for evolution of negatively charged particles for control of growth

of fungi and bacteria in the dryer without causing

ozone evolution

INVENTOR(S): Moriya, Yoshifumi; Nawama, Junichi; Kuchino,

Kunikazu

Matsushita Electric Industrial Co., Ltd., Japan PATENT ASSIGNEE(S):

Jpn. Kokai Tokkyo Koho, 7 pp. SOURCE:

CODEN: JKXXAF

DOCUMENT TYPE: Patent

Japanese LANGUAGE:

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004065425	A2	20040304	JP 2002-227104	20020805
PRIORITY APPLN. INFO.:			JP 2002-227104	20020805

AB The dryers (A1) are provided with an air circulating device for circulation of air inside the dryer, a photoelectron-evolving material (A), and a light source for irradiating UV rays onto A photoelectron-evolving material for evolution of neg. charged particles, or the dryers comprise above Al dryers having the feature of detecting the amount of evolution of neg. charged particles by measuring the quantity of electricity flowing through the elec. connected circuit of A photoelectron-evolving material, or the dryers comprise above A1 dryers having A photoelectron-evolving material provided on an elec. connected elec. conductive material (B), or the dryers comprise above Al dryers having A photoelectron-evolving

> Shears 571-272-2528

materials consisting of ≥1 type of material from Au, Pt, Ag, Cu, stainless steel, and titanium nitride. Clothing were dried in a dryer having Au as A photoelectron-evolving material and stainless steel as B conductive material to cause evolution of neg. charged H2O, O2, or dust in air and give dried clothing.

IT 7440-50-8, Copper, uses

f,

RL: TEM (Technical or engineered material use); USES (Uses) (conductive material; clothing dryers provided with device comprising photoelectron-evolving material for evolution of neg. charged particles for control of growth of fungi and bacteria in dryer)

IT 7440-22-4, Silver, uses 25583-20-4, Titanium nitride

RL: TEM (Technical or engineered material use); USES (Uses) (photoelectron-evolving material; clothing dryers provided with device comprising photoelectron-evolving material for evolution of neg. charged particles for control of growth of fungi and bacteria in dryer)

L19 ANSWER 6 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 17 Oct 2003

ACCESSION NUMBER: 2003:817929 HCAPLUS

DOCUMENT NUMBER: 139:302078

TITLE: Methods of treating skin and integument conditions

with metal-containing compounds

INVENTOR(S): Burrell, Robert E.; Gillis, Scott H.; Schechter,

Paul; Wright, John B.; Lam, Kan; Yin, Hua Qing

PATENT ASSIGNEE(S): Can.

SOURCE: U.S. Pat. Appl. Publ., 40 pp., Cont.-in-part of

U.S. Ser. No. 159,587.

CODEN: USXXCO

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 23

PATENT INFORMATION:

PA:	rent	NO.			KIN	D 1	DATE		i	APP	LI	CAT	ION I	10.			ATE
US	2003	1944	4 4		A1		2003:	1016	1	US	20	02-2	2773	62			0021022
US	2002	1922	98		A1		2002	1219	1	US	20	01-8	3406	37		20	0010423
US	2002	0518	24		A1	:	2002	0502	1	US	20	01-9	9167	57		20	0010727
US	6692	773			В2		2004	0217									
US	2003	0218	54		A1	2	2003	0130	1	US	20	02-3	1315	68		2	0020423
US	2003	0540	46		A1		2003	0320	1	US	20	02-	1315	11		2	0020423
US	6939	568			B2	:	2005	0906									
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US	6989	156			B2	:	2006	0124									
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US	2003	0728	10		A1	:	2003	0417	Ī	US	20	02-3	1595	37		2	0020530
CA	2500	836			AA	:	2004	0506	(CA	20	03-2	2500	336		2	0031022
WO	2004	0371	87		A2	:	2004	0506	1	WO	20	03-0	JS33	446		2	0031022
WO	2004	0371	87		C1	:	2004	0722									
WO	2004	0371	87		A3		2004	0902									
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		MZ,	NI,	NO,	NZ,	OM,	PG,	PH,	PL,	PT	',	RO,	RU,	SC,	SD,	SE,	SG,

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SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,
             YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
             BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
             NE, SN, TD, TG
     US 2004131698
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                                 20040708
                                              US 2003-690724
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     US 2004129112
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                           A1
     US 2004191329
                                 20040930
                                              US 2003-690715
                           A1
                                                                      20031022
                                              EP 2003-781362
     EP 1575552
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                                 20050921
                                                                      20031022
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                                             US 2004-770132
                                 20040909
     US 2004176312
                           A1
                                                                      20040202
PRIORITY APPLN. INFO.:
                                              US 2000-628735
                                                                   B2 20000727
                                              US 2001-285884P
                                                                   P 20010423
                                                                   A2 20010423
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                                                                   A2 20010727
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                                              US 2002-131568
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                                              US 2002-277298
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                                              US 2002-277356
                                                                   A 20021022
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                                              US 2002-277362
                                                                   A 20021022
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                                                                   A 20030212
                                              US 2003-690715
                                                                   A2 20031022
                                              US 2003-690724
                                                                   A2 20031022
                                              US 2003-690774
                                                                   A2 20031022
                                              WO 2003-US33446
                                                                   W 20031022
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AB Methods of treating skin and integument conditions, particularly with metal-containing compds., are disclosed. The metal-containing material can be, for example, an antimicrobial material, an antibacterial material, an anti-inflammatory material, an anti-fungal material, an anti-viral material, an anti-cancer material,

a pro-apoptosis material, and/or an MMP modulating material. In certain embodiments, the metal-containing material is an atomically disordered, silver-containing material. Patients with psoriasis were treated with dressings coated with nanocryst. silver.

ΙT 7440-22-4D, Silver, compds.

¥.

RL: BSU (Biological study, unclassified); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (metal-containing compds. for treating skin and integument conditions)

IT 7440-22-4, Silver, biological studies RL: BSU (Biological study, unclassified); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (nanocryst., coatings on dressings; metal-containing compds. for treating skin and integument conditions)

L19 ANSWER 7 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

Entered STN: 03 Oct 2003

ACCESSION NUMBER: 2003:777126 HCAPLUS

DOCUMENT NUMBER: 139:281256

TITLE: Methods of treating conditions with a

metal-containing material

Burrell, Robert E.; Gillis, Scott H.; Schechter, INVENTOR(S):

Paul; Naylor, Antony G.; Moxham, Peter H.; Wright,

John B.; Lam, Kan

PATENT ASSIGNEE(S): Can.

U.S. Pat. Appl. Publ., 42 pp., Cont.-in-part of SOURCE:

U.S. Ser. No. 159,587.

CODEN: USXXCO

DOCUMENT TYPE: Patent English LANGUAGE:

FAMILY ACC. NUM. COUNT: 23

PATENT INFORMATION:

PAT	CENT	NO.			KIN	D 1	DATE		į	APPL	ICAT:	ION 1	NO.		Di 	ATE
US	2003	1859	01		A1		2003	1002	1	US 2	002-	2773	58		2	0021022
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US	2002	0518	24		A1	:	2002	0502	1	US 2	001-	9167	57		2	0010727
US	6692	773			B2		2004	0217								
US	2003	0218	54		A1		2003	0130	1	US 2	002-	1315	68		2	0020423
US	2003	0540	46		A1	:	2003	0320	1	US 2	002-	1315	11		2	0020423
US	6939	568			B2	:	2005	0906								
US	2003	0869	77		A1	:	2003	0508	1	US 2	002-	1282	80		2	0020423
US	6989	156			B2	:	2006	0124								
US	2003	0997	18		A 1	:	2003	0529	1	US 2	002-	1315	09		2	0020423
US	2003	0728	10		A 1	:	2003	0417	1	US 2	002-	1595	87		2	0020530
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WO	2004	0371	87		A2	:	2004	0506	1	WO 2	003-1	JS33	446		2	0031022
WO	2004	0371	87		C1	:	2004	0722								
WO	2004						2004	–								
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								LU,								
		ΜZ,	NI,	NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,
		SK,	SL,	SY,	ТJ,	TM,	TN,	TR,	TT,	ΤZ,	UA,	ŪG,	US,	UZ,	VC,	VN,
		•	•	ZM,												
	RW:		-	-		-	-	SD,	-							
		-	-	-	-		-	TM,				-	-			
		EE,	ES,	FI,	FR,	GB,	GR,	HU,	ΙE,	IT,	LU,	MC,	NL,	PT,	RO,	SE,

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SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
             NE, SN, TD, TG
    US 2004131698
                          A1
                                20040708
                                            US 2003-690724
                                                                    20031022
    US 2004129112
                          A1
                                20040708
                                            US 2003-690774
                                                                    20031022
    US 2004191329
                                20040930
                                            US 2003-690715
                                                                    20031022
                          A1
    EP 1575552
                                20050921
                                            EP 2003-781362
                                                                    20031022
                          A2
            AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
             PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
                                            US 2004-770132
                                20040909
    US 2004176312
                         A1
                                                                    20040202
                                                                    20041110
    US 2005129624
                                20050616
                                            US 2004-985204
                          A1
                                                                B2 20000727
PRIORITY APPLN. INFO .:
                                            US 2000-628735
                                            US 2001-285884P
                                                                 P 20010423
                                            US 2001-840637
                                                                A2 20010423
                                            US 2001-916757
                                                                A2 20010727
                                            US 2002-128208
                                                                A2 20020423
                                            US 2002-131509
                                                                A2 20020423
                                                                A2 20020423
                                            US 2002-131511
                                            US 2002-131568
                                                                A2 20020423
                                            US 2002-159587
                                                                A2 20020530
                                            US 2002-277298
                                                                A 20021022
                                            US 2002-277320
                                                                A 20021022
                                            US 2002-277356
                                                                A 20021022
                                            US 2002-277358
                                                                A 20021022
                                            US 2002-277362
                                                                A 20021022
                                            US 2002-277673
                                                                A 20021022
                                            US 2003-364983
                                                                A 20030212
                                            US 2003-690715
                                                                A2 20031022
                                            US 2003-690724
                                                                A2 20031022
                                            US 2003-690774
                                                                A2 20031022
                                            WO 2003-US33446
                                                                 W 20031022
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AB Methods of treating conditions with a metal-containing material are disclosed. The metal-containing material can be, e.g., an antimicrobial material, an antibacterial material, an anti-inflammatory material, an anti-fungal material, an anti-viral material, an anti-cancer material, a pro-apoptosis material, and/or an MMP modulating material. In certain embodiments, the metal-containing material is an atomically disordered, silver-containing material. Antimicrobial metals (6 mg) with atomic disorder, in a free-standing powder form, are sprinkled lightly onto a burned

tissue, and thereafter wet with a light spray of water or wound exudate or transdermal water loss or other body fluids, so as to provide an antimicrobial treatment to the burned tissue.

The treatment is repeated every 24 h until the therapeutic effects are no longer needed.

IT 7440-22-4, Silver, biological studies

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(methods of treating conditions with metal-containing material)

L19 ANSWER 8 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 26 Sep 2003

ACCESSION NUMBER: 2003:757026 HCAPLUS

DOCUMENT NUMBER: 139:265767

TITLE: Dry powders of metal-containing compounds

INVENTOR(S): Gillis, Scott H.; Schechter, Paul; Burrell, Robert

Ε.

PATENT ASSIGNEE(S): Nucryst Pharmaceuticals Corp., USA

SOURCE: U.S. Pat. Appl. Publ., 41 pp., Cont.-in-part of

U.S.Ser.No. 159,587.

CODEN: USXXCO

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 23

PATENT INFORMATION:

PAT	CENT 1	NO.			KIN		DATE		;	APPL	ICAT	ION I	NO.		D.	ATE
US	2003	1803	78		A1		2003		1	US 2	002-	2772	98		2	0021022
	6866				В2		2005									
US	2002	1922	98		A1		2002				001-					0010423
US	2002	0518:	24		A1		2002	0502	1	US 2	001-	9167	57		2	0010727
US	6692	773			В2		2004	0217								
US	2003	0218	54		A1		2003	0130	1	US 2	002-	1315	68		2	0020423
US	2003	0540	46		A1		2003	0320	1	US 2	002-	1315	11		2	0020423
US	6939	568			B2		2005	0906								
US	2003	0869	77		A1		2003	0508	1	US 2	002-	1282	8 0		2	0020423
US	6989	156			B2		2006	0124								
US	2003	0997	18		A1		2003				002-					0020423
US	2003	0728	10		A1		2003	0417	1	US 2	002-	1595	87		2	0020530
CA	2500	836			AA		2004	0506		CA 2	003-	2500	836		2	0031022
WO	2004	0371	87							WO 2	003-	US33	446		2	0031022
WO	2004	0371	87		C1		2004	0722								
WO	2004	0371	87		A3		2004	0902								
	W:	ΑE,	AG,	AL,	AM,	AT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,
											EC,					
		GD,	GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	KP,	KR,
		ΚZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,
											RO,					
		SK,	SL,	SY,	TJ,	TM,	TN,	TR,	TT,	ΤZ,	UA,	UG,	US,	UZ,	VC,	VN,
		YU,	ZA,	ZM,	ZW											
	RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	ŪG,	ZM,	ZW,	AM,	AZ,
		BY,	KG,	KZ,	MD,	RU,	ТJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,
		EE,	ES,	FI,	FR,	GB,	GR,	HU,	ΙE,	IT,	LU,	MC,	NL,	PT,	RO,	SE,
		SI,	SK,	TR,	BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,
				TD,												
US	2004	1316	98		A1		2004	0708		US 2	003-	6907	24		2	0031022
US	2004	1291	12		A1		2004	0708		US 2	003-	6907	74		2	0031022
US	2004	1913	29		A1		2004	0930		US 2	003-	6907	15		2	0031022

US	20041 20051	AT, BE, PT, IE, 76312 36128	SI,	DK, LV,	ES, FI,	FR, RO,	GB, MK,	GF CY US US	, AL, 2004-1 2004-1	LI, TR, 77013	LU, N BG, 0 2 9	CZ, E	20031022 E, MC, E, HU, SK 20040202 20041129 20000727
								US	2001-8	34063	7	A2	20010423
								US	2001-9	91675	7	A2	20010727
								US	2002-	12820	8	A2	20020423
								US	2002-	13150	9	A2	20020423
								US	2002-3	13151	1	A2	20020423
								US	2002-	13156	8	A2	20020423
								US	2002-3	15958	7	A2	20020530
								US	2001-2	28588	4 P	P	20010423
								US	2002-2	27729	8	Α	20021022
								US	2002-2	27732	0	Α	20021022
								US	2002-2	27735	6	Α	20021022
								US	2002-2	27735	8	A	20021022
								US	2002-2	27736	2	Α	20021022
								US	2002-2	27767	3	A	20021022
								US	2003-3	36498	3	Α	20030212
								ບຣ	2003-6	59071	5	A2	20031022
								ບຣ	2003-6	59072	4	A2	20031022
								US	2003-6	59077	4	A2	20031022
								WO	2003-t	JS334	46	W	20031022

AB The invention relates to dry powders of metal-containing compds., as well as their preparation and use, particularly in the treatment of a subject having an undesirable condition. The metal-containing material can be, for example, an antimicrobial material, an antibacterial material, an anti-inflammatory material, an anti-fungal material, an anti-viral material, an anti-cancer material, a pro-apoptosis material, and/or an MMP modulating material. In certain embodiments, the metal-containing material is an atomically disordered, silver-containing material. For example, a bilayer nanocryst. silver coating on a high-d. polyethylene dressing material was prepared for treatment of hyperproliferative skin disease. IT 7440-22-4, Silver, biological studies RL: DEV (Device component use); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(nanocryst.; dry powders of metal-containing compds. for therapeutic
uses)

REFERENCE COUNT:

219 THERE ARE 219 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 9 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 28 Feb 2003

ACCESSION NUMBER: 2003:154658 HCAPLUS

DOCUMENT NUMBER: 138:208362

TITLE: Member excellent in antibacterial and/or

antialgal effects and process for producing the

same

INVENTOR(S): Urushihara, Wataru; Nakayama, Takenori; Yamada,

Sadako

PATENT ASSIGNEE(S): Kabushiki Kaisha Kobe Seiko Sho, Japan

SOURCE: PCT Int. Appl., 37 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

P	PATENT NO.					KIND DATE			APPLICATION NO.						DATE	
W	WO 2003016595 W: AU, US					A1 20030227			WO 2002-JP8296							20020815
		AT,	BE,				, CZ,			EE	E, ES	FI,	FR,	GB,	GR	, IE,
_	TP 2003	1383	•	nc,	A2		2003	0514	Ċ	-						20020418
Ŀ	EP 1420 R:	AT,	•	•	DE,	DK,	, ES,	FR,	GB,	GF	, IT					20020815 , MC,
υ	s 2004	-			•		, BG, 2004	•			: 2003-	-4665	47			20030724
PRIORI	TY APP	LN.	INFO	. :					Ċ	JP	2001-	-2504	65		A	20010821
									Ċ	JP	2002-	-1166	78		A.	20020418
									Ţ	OW	2002-	JP82	96	1	W .	20020815

- AB A member having excellent antibacterial and/or antialgal effects which is coated with a surface-treatment film having at least a layer having an antibacterial and/or antialgal effects laminated between the outermost surface functional layer and a base layer, characterized in that the antibacterial and/or antialgal layer contains 80% or more of Ni, 0.1 to 10% of P and 0.0001 to 1% of H, and the outermost surface functional layer is provided with holes penetrating into the surface of the antibacterial and/or antialgal layer at a ratio of the opening area to the total visual plane area of 0.001 to 10%, or in case where the member is soaked in still H2O at 30°, Ni is eluted therefrom at a rate of 0.1 to 50 µg/cm2/wk.
- IT 7440-66-6, Zinc, uses 11116-16-8,

Titanium nitride

RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)

(member excellent in antibacterial and/or antialgal
effects)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR

THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 10 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 01 Dec 2002

ACCESSION NUMBER: 2002:908704 HCAPLUS

DOCUMENT NUMBER: 139:138625

TITLE: Bio-functionalization of titanium surfaces for

dental implants

AUTHOR(S): Yoshinari, Masao; Matsuzaka, Kenichi; Inoue,

Takashi; Oda, Yutaka; Shimono, Masaki

CORPORATE SOURCE: Oral Health Science Center, Department of Dental

Materials Science, Tokyo Dental College, Chiba,

261-8502, Japan

SOURCE: Materials Transactions (2002), 43(10), 2494-2501

CODEN: MTARCE; ISSN: 1345-9678

PUBLISHER: Japan Institute of Metals

DOCUMENT TYPE: Journal LANGUAGE: English

Since dental implants are used in contact with many different tissues, AB it is necessary to have optimum surface compatibility with the host bone tissues and soft tissues. Furthermore, dental implant surfaces exposed to the oral cavity must remain plaque-free. Such materials can be created under well-controlled conditions by modifying the surfaces of metals that contact those tissues. "Tissue-compatible implants," which are compatible with all host tissues, must integrate with bone tissue, easily form hemidesmosomes, and prevent bacterial adhesion. This research was aimed at developing such tissue-compatible implants by modifying titanium surfaces using a dry process for closely adhering to the titanium substrate and ensuring good wear resistance. The process includes ion beam dynamic mixing (thin calcium phosphates), ion implantation, titania spraying, ion plating and ion beam mixing. At the bone tissue/implant interface, a thin calcium phosphate coating and rapid heating with IR radiation was effective in controlling the dissoln. without cracking the coating. This thin calcium phosphate coating may directly promote osteogenesis, but also enable immobilization of functional proteins or drugs such as bisphosphonate for drug delivery system. At the oral fluid/implant interface, an alumina coating and F+-implantation were responsible for inhibiting the adhesion of microbial plaque. In conclusion, dry-process surface modification is useful in controlling the physicochem. nature of surfaces, including the surface energy and the surface elec. charge, and in developing tissue-compatible implants.

TT 7440-22-4, Silver, biological studies
7440-66-6, Zinc, biological studies

RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

(adhesion of oral bacteria on surface-modified titanium)

IT 25583-20-4, Titanium nitride

RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

(coating; adhesion of oral bacteria on surface-modified titanium)
REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE
RE FORMAT

L19 ANSWER 11 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 25 Sep 2002

ACCESSION NUMBER: 2002:728807 HCAPLUS

DOCUMENT NUMBER: 137:267112

TITLE: Manufacture of anti-bacterial

sintered materials

INVENTOR(S): Mizutori, Shigeji; Matsushita, Isao

PATENT ASSIGNEE(S): Osaka Gas Co., Ltd., Japan SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002274970	A2	20020925	JP 2001-76760	20010316
PRIORITY APPLN. INFO.:			JP 2001-76760	20010316

AB The sintered materials contain inorg minerals and antibacterial metals. Preferably, the inorg. minerals include zeolite, sepiolite, kieselguhr, sericite, kaolin, pyroferrite and/or montmorillonite, and the anti-bacterial metals include Ag, Cu, Zn, their

carbide, nitride and/or oxide. The sintered materials are manufactured by: mixing the raw materials to form a paste, molding, and firing at 500-900°.

TT 7440-22-4, Silver, processes 7440-50-8,
Copper, processes 7440-66-6, Zinc,

Copper, processes 7440-66-6, Zinc, processes

RL: NUU (Other use, unclassified); PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process); USES (Uses)

(anti-bacterial; manufacture of anti-

bacterial sintered materials containing inorg. minerals and anti-bacterial metals)

L19 ANSWER 12 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 01 Jul 2002

ACCESSION NUMBER: 2002:492349 HCAPLUS

DOCUMENT NUMBER: 137:99068

TITLE: Metal-treated antibacterial activated

carbon and method for its manufacture

INVENTOR(S): Oh, Won Chun; Lee, Yeong Hoon; Kim, Bum Su

PATENT ASSIGNEE(S): S. Korea

SOURCE: Repub. Korean Kongkae Taeho Kongbo, No pp. given

CODEN: KRXXA7

DOCUMENT TYPE: Patent LANGUAGE: Korean

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
KR 2000075343	A	20001215	KR 1999-19883	19990531
PRIORITY APPLN. INFO.:			KR 1999-19883	19990531

AB Metal-treated active carbon with high sp. surface area and good anti-bacterial nature is provided by a simplified

method for efficiency. The method comprises mixing a thermosetting plastic powders like phenol resins with one or a mixture of two metal precursor powders selected from sulfide, nitride, chloride, and carbonate of any transition metals including silver, copper, cadmium to sinter, carbonize and treat with steam for activation. The product catalyzes activation of carbon to obtain high sp. surface area and antibacterial function from metal precursors.

L19 ANSWER 13 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 21 Jun 2001

ACCESSION NUMBER: 2001:448379 HCAPLUS

DOCUMENT NUMBER: 135:308803

TITLE: Influence of surface modifications to titanium on

antibacterial activity in vitro

AUTHOR(S): Yoshinari, M.; Oda, Y.; Kato, T.; Okuda, K. CORPORATE SOURCE: Department of Dental Materials Science and Oral

Health Science Center, Tokyo Dental College, Masago, Mihama-ku, Chiba, 261-8502, Japan

SOURCE: Biomaterials (2001), 22(14), 2043-2048

CODEN: BIMADU; ISSN: 0142-9612

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal LANGUAGE: English

AB The antibacterial effect of surface modifications to titanium on Porphyromonas gingivalis ATCC 33277 and Actinobacillus actinomycetemcomitans ATCC 43718 was evaluated. Surface modifications were performed with dry processes including ion implantation (Ca+, N+, F+), oxidation (anode oxidation, titania spraying), ion plating (TiN, alumina), and ion beam mixing (Ag, Sn, Zn, Pt) with Ar+ on polished pure titanium plates. F+-implanted specimens significantly inhibited the growth of both P. gingivalis and A. actinomycetemcomitans than the polished titanium. The other surface-modified specimens did not exhibit effective antibacterial activity against both bacteria. No release of the fluorine ion was detected from F-implanted specimens under dissoln. testing. This result and the characterization of the F+-implanted surfaces suggested that the possible antibacterial mechanism of the F+-implanted specimen was caused by the formation of a metal fluoride complex on the surfaces. In addition, F+-implanted surfaces did not inhibit the proliferation of fibroblast L929-cells. These findings indicate that surface modification by means of a dry process is useful in providing antibacterial activity of oral bacteria to titanium implants exposed to the oral cavity.

TT 7440-22-4, Silver, processes 7440-66-6,
Zinc, processes 25583-20-4, Titanium

nitride (TiN)

RL: PEP (Physical, engineering or chemical process); PROC (Process) (titanium surface modifications effect on

antibacterial activity)

REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE

RE FORMAT

L19 ANSWER 14 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 20 Sep 2000

ACCESSION NUMBER: 2000:657978 HCAPLUS

DOCUMENT NUMBER: 133:241643

TITLE: Anti-bacterial porous molded

body and its manufacture

INVENTOR(S): Mizutori, Shigeji; Morino, Gunji

PATENT ASSIGNEE(S): Osaka Gas Co., Ltd., Japan Jpn. Kokai Tokkyo Koho, 6 pp. SOURCE:

CODEN: JKXXAF

DOCUMENT TYPE: Patent Japanese LANGUAGE:

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000256075	A2	20000919	JP 1999-64886	19990311
PRIORITY APPLN. INFO.:			JP 1999-64886	19990311

AB The molded body is made from a composition containing C and/or ceramic

, and 0.01-20 weight% of an anti-bacterial metal.

Preferably, the anti-bacterial metal is Ag

, Cu, Ti, Zn, their carbide,

nitride and/or oxide. The molded body is manufactured by: forming a paste containing ≥1 kinds of powders of petroleum pitch, coal pitch or thermosetting resin, ≥1 dinds of metals of Ag

, Cu, Ti or Zn, their organic complex or metal salt,

water or hydrophilic organic solvent, molding the paste, firing at 500-1000°, and activating.

7440-22-4, Silver, processes 7440-50-8, IT

Copper, processes 7440-66-6, Zinc,

processes

RL: MOA (Modifier or additive use); PEP (Physical, engineering or chemical process); PROC (Process); USES (Uses)

(anti-bacterial metal; for manufacture of

anti-bacterial porous molded body)

L19 ANSWER 15 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

Entered STN: 04 Apr 2000

ACCESSION NUMBER: 2000:215852 HCAPLUS

132:233025 DOCUMENT NUMBER:

TITLE: Substrate coated with

> antibacterial photocatalyst film and hard film for electric razor blade, etc., and its

manufacture

Hirano, Hitoshi; Domoto, Yoichi; Kuramoto, INVENTOR(S):

Keiichi; Tarui, Hisaki

Sanyo Electric Co., Ltd., Japan PATENT ASSIGNEE(S): SOURCE:

Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000094564 JP 3695953	A2 B2	20000404	JP 1998-265389	19980918
PRIORITY APPLN. INFO.:	DZ.	20050914	JP 1998-265389	19980918

The substrate is manufactured by forming a film which shows AB

photocatalytic cleaning action on one side of a parent material and forming a hard film such as ceramic coating on the other side by irradiating the surface with metals or semiconductor materials and mols., atoms, ions, or radicals of gas containing ≥1 selected from N, O, and C. The photocatalyst film may contain C and the C is functionally gradient. The substrate, especially, suitable for an outer blade of an elec. razor, shows high wear resistance, erosion resistance, and good sliding property. A Ni outer shaver blade was coated with a Si film (interlayer) by magnetron sputtering and then simultaneously irradiated with Ar plasma and CH4 gas to form a hard C film. The other side of the blade was coated with TiO2 showing Vickers hardness 1000 by magnetron sputtering.

IT 25658-42-8, Zirconium nitride (ZrN)

RL: DEV (Device component use); PEP (Physical, engineering or chemical process); PROC (Process); USES (Uses)

(substrate coated with antibacterial photocatalyst film and hard ceramic film for elec. razor blade)

L19 ANSWER 16 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 27 Apr 1998

ACCESSION NUMBER: 1998:239138 HCAPLUS

DOCUMENT NUMBER: 128:296223
TITLE: Solid filter
INVENTOR(S): Huder, Marcel

PATENT ASSIGNEE(S): Huder, Marcel, Switz. SOURCE: PCT Int. Appl., 14 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9815337	A2	19980416	WO 1997-CH380	19971008

W: IL, JP, US

RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

PRIORITY APPLN. INFO.: CH 1996-2465 A 19961010

AB A solid filter is disclosed for filtering bacterial and/or germ-contaminated fluids, in which the solid filter has a Ag and hard material (e.g., NbN, CrN, ZrN, TiN, TiAlN) coating at least on the side in contact with the bacterial and/or germ-contaminated fluid. The filter body can be made of metal or ceramic. The silver acting as a bactericide may be part either of the coating or of the filter body. In the case of ceramic filters, Ag particles can be applied on the pores and then coated.

TT 7440-22-4, Silver, uses 24094-93-7,
 Chromium nitride (CrN) 25583-20-4,
 Titanium nitride (TiN) 25658-42-8,
 Zirconium nitride (ZrN)
 RL: DEV (Device component use); USES (Uses)
 (in filter with bactericidal effect)

L19 ANSWER 17 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 05 Feb 1994

ACCESSION NUMBER:

1994:62345 HCAPLUS

DOCUMENT NUMBER:

120:62345

TITLE:

Anti-microbial coating of

medical devices by vapor deposition techniques

Burrell, Robert Edward; Morris, Larry R.

PATENT ASSIGNEE(S):

Westaim Technologies Inc., Can.

SOURCE:

PCT Int. Appl., 45 pp. CODEN: PIXXD2

DOCUMENT TYPE:

INVENTOR(S):

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PAT	CENT	NO.			KIN) -	DATE			APE	PLI	CAT	ION I	NO.			DAT	re
																	199	30519
							CA,											
		KP,	KR,	LK,	LU,	MG,	MN,	MW,	NL,	NC	ο,	NZ,	PL,	PT,	RO,	RU	J, S	SD,
		SE,	SK,	UA,	US													
	RW:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GF	₹,	ΙE,	IT,	LU,	MC,	NI	, E	PT,
		SE,	BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN	٧,	ML,	MR,	NE,	SN,	ΤI), I	ľG
CN	1082	625			Α		1994	0223		CN	19	93-	1077	03			199	930518 930518 930519 930519
CN	1066	783			В		2001	0606										
IL	1057	26			A1		1998	0222		IL	19	93-	1057	26			199	30518
AU	9340	558			A1		1993	1213		ΑU	19	93-	4055	8			199	30519
AU	6731	70			B2		1996	1031										
EP	6412	24			A1		1995	0308		ΕP	19	93-	9097	15			199	30519
EP	6412	24			В1		1998	0819										
HU	6976	6			A2		1995	0928		HU	19	94-	3317				199	30519
HU	2176	44			В		2000	0328										
JP	0850	0392			Т2		1996	0116		JP	19	93-	5197	31			199	930519 930519 930519 930519 930519
JP	2947	934			В2		1999	0913										
AT	1698	29			E		1998	0915		ΑT	19	93-	9097	15			199	30519
ES	2119	899			тз		1998	1016		ES	19	93-	9097	15			199	930519
BR	9306	613			Α		1998	1208		BR	19	93-	6613				199	930519
RU	2131	269			ĊΙ		T333	υστυ		ΚU	13	,94-	4000.	3			133	930319
	2134	217			С		2000	0411		CA	19	93-	2134	217			199	30519
US	5770	255			Α		1998	0623		US	19	93-	1280	27			199	930929 950602
	5753	251			Α		1998	0519		US	19	95-	4594	74			199	950602
US	6017	553			Α		2000	0125		US	19	95-	4594	69			199	950602
	6238	686			В1		2001	0529		US	19	97-	8822	86			199	70625
		939			A1		2000	0505		HK	19	98-	1130	16			199	81209
CORITY										US	19	92-	8857	58		A	199	920519
										US	19	93-	5796	8		A	199	920519 930507 930519
										WO	19	93-	CA20	1		A	199	930519
										US	19	93-	1546	94		A3	199	931118

AB Anti-microbial coatings of medical devices are formed by depositing a biocompatible metal by vapor deposition techniques to produce atomic disorder in the coating such that a sustained release of metal ions sufficient to produce an anti -microbial effect is achieved. Preferred deposition conditions to achieve atomic disorder include a lower than normal substrate temperature, and one or more of a higher than normal working gas pressure and a lower than normal angle of incidence of

coating flux. A medical suture was coated by magnetron sputtering an Ag-Cu alloy onto the surface to a

thickness of 0.45 µm using Ar gas working pressure of 30 mTorr at 0.5KW power. The zone of inhibition of Staphylococcus aureus by the coated suture was 13mm as compared to no zone of inhibition for the uncoated suture.

7440-22-4, Silver, biological studies

7440-50-8, Copper, biological studies

7440-66-6, Zinc, biological studies

RL: BIOL (Biological study)

(antibacterial coating of medical devices by intert metal salts and)

IT 11144-43-7, Copper silver alloy

RL: BIOL (Biological study)

(antibacterial coating of medical devices by metals and)

L19 ANSWER 18 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN

Entered STN: 06 Mar 1992

1992:86042 HCAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 116:86042

Treatment of screens for improved durability TITLE: INVENTOR(S): Suzuki, Masayuki; Nishibayashi, Yoshibumi;

Yamaguchi, Sanji; Suzuki, Toshikazu; Nakajima,

PATENT ASSIGNEE(S): Suzutora Seisen Co., Ltd., Japan SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent Japanese LANGUAGE:

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03236962	A2	19911022	JP 1990-32667	19900214
JP 06061926	B4	19940817		
PRIORITY APPLN. INFO.:			JP 1990-32667	19900214

The title process involves drying of synthetic fiber-based sheet AB screen (e.g., nonwoven polyester fabric) for filters and printing screens to moisture content <0.1%, followed by sputter-coating with metals, alloys, metal oxides,

metal nitrides, etc. to a thickness of 100-10,000 A. Cu used for coating also shows antimicrobial and algicidal effects.

TΤ 7440-50-8, Copper, uses

RL: USES (Uses)

(polyester nonwoven fabric screens sputter-coated with, for improved durability and antimicrobial and algicidal effects)

FILE 'MEDLINE' ENTERED AT 14:52:48 ON 30 JAN 2006

FILE 'BIOSIS' ENTERED AT 14:52:48 ON 30 JAN 2006

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FILE 'CONFSCI' ENTERED AT 14:52:48 ON 30 JAN 2006 COPYRIGHT (C) 2006 Cambridge Scientific Abstracts (CSA)

FILE 'SCISEARCH' ENTERED AT 14:52:48 ON 30 JAN 2006 Copyright (c) 2006 The Thomson Corporation

FILE 'JICST-EPLUS' ENTERED AT 14:52:48 ON 30 JAN 2006 COPYRIGHT (C) 2006 Japan Science and Technology Agency (JST)

FILE 'JAPIO' ENTERED AT 14:52:48 ON 30 JAN 2006 COPYRIGHT (C) 2006 Japanese Patent Office (JPO) - JAPIO

5865 SEA ABB=ON PLU=ON L16 AND (SUBSTRATE OR ALLOY OR L20 STAINLESS STEEL OR CERAMIC OR PLASTIC)

29 SEA ABB=ON PLU=ON L20 AND (ANTIMICROB? OR ANTI(W) (BACTER? L21 OR MICROB?) OR ANTIBACTER? OR MICROBIOCID? OR MICROBICID?

OR BACTERICID? OR BACTERIOCID?) L22 29 DUP REM L21 (0 DUPLICATES REMOVED)

L22 ANSWER 1 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 2005-512429 [52]

WPIDS

DOC. NO. CPI:

C2005-155364

TITLE:

Production of fine particle material, used in tape cast for making e.g. piezomotor, involves introducing at least one substance in at least one fluid(s) into vessel and allowing substances to precipitate on

surface of material.

DERWENT CLASS:

A97 J04

INVENTOR(S):

FELSVANG, K; IVERSEN, S B; LARSEN, T; LUETHJE, V

PATENT ASSIGNEE(S):

(SCFT-N) SCF TECHNOLOGIES AS

COUNTRY COUNT: 108

PATENT INFORMATION:

KIND DATE WEEK LA PG PATENT NO

WO 2005058472 A2 20050630 (200552)* EN 53

RW: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IS IT KE LS LT LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2005058472	A2	WO 2004-DK888	20041219

PRIORITY APPLN. INFO: DK 2003-1899 20031219

AN 2005-512429 [52] WPIDS

AB WO2005058472 A UPAB: 20050815

NOVELTY - The production of a fine particle material involves

Shears Searcher : 571-272-2528 introducing at least one substance contained (e.g. dissolved or dispersed) in at least one fluid(s) into a vessel containing at least one section(s) comprising a material; and causing and/or allowing the substances to precipitate at least partly as primary particles on the surface of the material. The fluid(s) is in a supercritical state before or after introducing into the vessel.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) an apparatus comprising at least one device(s) adapted to carry out the production of the particles;
- (2) a tape cast for tape casting comprising primary particles deposited on a carrier film;
- (3) an item having a hard nanocrystalline coating comprising primary particles of alumina and zirconia, where the coating has a hardness of at least 10 (preferably 25) GPA or has a scratch and wear resistance of at least 30 (preferably 45) N; and
- (4) a mechanical part with the hard nanocrystalline coating, where the coating is applied to the surface of the material.

USE - Used for the production of fine particles; in tape cast for tape casting suitable for production of **ceramic** material, e.g. piezomotor; in mechanical parts (claimed).

ADVANTAGE - The process provides the fine particles in large scale with sufficient homogeneity and reproducibility at affordable costs.

DESCRIPTION OF DRAWING(S) - The figures show an example of a vessel containing a high surface area fiber material, a randomly packed fiber material, a reactant adsorbed to the fiber material, primary particles formed on the surface of the fiber, and harvesting of the deposited particles.

Dwg.1/8

L22 ANSWER 2 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 2005-417617 [42] WPIDS

CROSS REFERENCE: 2005-425023 [43]
DOC. NO. NON-CPI: N2005-338830
DOC. NO. CPI: C2005-127903

TITLE: Antimicrobial, non-cytotoxic composite for

coating medical products or instruments comprises a biocide layer with a covering transport control

layer.

DERWENT CLASS: D22 E37 P34

INVENTOR(S): SALZ, D; STEINRUECKE, P; VISSING, K; WAGENER, M;

VISSING, K D

PATENT ASSIGNEE(S): (BIOG-N) BIO GATE BIOINNOVATIVE MATERIALS GMBH;

(FRAU) FRAUNHOFER GES FOERDERUNG ANGEWANDTEN EV

COUNTRY COUNT: 108

PATENT INFORMATION:

PATENT NO KIND DATE WEEK LA PG

WO 2005048708 Al 20050602 (200542)* GE 34

RW: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IS
IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ
UG ZM ZW

W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

DE 10353756 A1 20050630 (200544)

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2005048708	A1	WO 2004-EP13030	20041117
DE 10353756	A1	DE 2003-10353756	20031117

PRIORITY APPLN. INFO: DE 2003-10353756 20031117

AN 2005-417617 [42] WPIDS

CR 2005-425023 [43]

AB W02005048708 A UPAB: 20050725 NOVELTY - A composite comprises

- (a) a layer containing a biocide; and covering this
- (b) a transport control layer of thickness and porosity such as to allow passage of an **antimicrobial** and non-cytotoxic amount of the biocide.

USE - The composite is used as a coating on a solid substrate, especially on a medical product such as a catheter, wound covering, contact lens, surgical nail or screw, bone-fixing nail, dental implant, medical instrument, hygiene product (especially a bandage or diaper), packaging for medical or hygiene product, food processing device or special products with hygiene requirements (claimed).

ADVANTAGE - The composite adheres well to a variety of substrates, contains a minimum of biocide and is transparent and hydrolysis resistant.

DESCRIPTION OF DRAWING(S) - The drawing shows a cross-section of an antimicrobial, non-cytotoxic composite with a silver-containing biocide layer and a plasma polymer layer.

Dwg.1/2

L22 ANSWER 3 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER:

2006-027197 [03] WPIDS

CROSS REFERENCE:

2004-479009 [45]; 2004-498301 [47]

DOC. NO. NON-CPI:

N2006-023686

DOC. NO. CPI: TITLE:

C2006-009233

Coating a surface of substrate for e.g.

filter, by evenly coating bonding material with single layer of uniform dry particles, where dry particles have electrical or electrostatic charge opposite electrical charge of bonding material.

DERWENT CLASS:

A35 A82 G02 P42 X25

INVENTOR(S):

NESBITT, B

PATENT ASSIGNEE(S):

(NESB-I) NESBITT B

COUNTRY COUNT:

T

PATENT INFORMATION:

PATENT NO	KIND DATE	WEEK	LA	PG
US 2005266170	A1 20051201	(200603)*	4	1

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
us 2005266170	Al Cont of	US 2002-318503	20021212

US 2005-157001 20050620

PRIORITY APPLN. INFO: US 2002-318503 20021212; US 2005-157001 20050620

AN 2006-027197 [03] WPIDS

CR 2004-479009 [45]; 2004-498301 [47]

AB US2005266170 A UPAB: 20060112

NOVELTY - Coating a surface of **substrate** (102a), comprises evenly coating bonding material with single layer of uniform dry particles (106a), where dry particles have electrical or electrostatic charge opposite electrical charge of bonding material; partially curing the wet bonding material (104a) and the uniform dry particles; and applying a top coating to bonding material and dry particles.

DETAILED DESCRIPTION - Coating a surface of substrate,
comprises:

- (1) applying electrically or electrostatically grounded wet bonding material to surface of **substrate**;
- (2) evenly coating bonding material with single layer of uniform dry particles, where dry particles have electrical or electrostatic charge opposite electrical charge of bonding material;
- (3) partially curing the wet bonding material and the uniform dry particles; and
- (4) applying a top coating (108a) to bonding material and dry particles.

An INDEPENDENT CLAIM is also included for method of preparing a surface of a **substrate** for the application of a coating to the surface, comprising:

- (1) placing the substrate on a grounded support;
- (2) applying a wet electro-conductive bonding material to the surface of the **substrate**;
- (3) electrostatically attracting a single layer of substantially uniform dry particles to the wet electro-conductive bonding material;
- (4) partially curing the wet electro-conductive bonding material and the uniform dry particles; and
- (5) applying a top coating to the bonding material and dry particles.

USE - For coating a surface of a **substrate**, e.g. metal, wood, **plastic** or glass (claimed), used for industrial sifters, strainers, and filters.

ADVANTAGE - The method enables a reinforced coating system to be evenly, uniformly and densely applied to the surface of a substrate. The underlayment can be used as a single process without any topcoats to provide adhesion of paper or grip or tractive strength as related to moving paper or other products with a roller at high speeds. Additionally, the underlayment could be created with approx. 30-40 mu m thick bonding material layer and an approx. 200 mu m sharp particles of aluminum oxide or boron nitride or other very high-wear resistant ceramics and provide an abrasive gripping surface.

DESCRIPTION OF DRAWING(S) - The figure is an enlarged fragmentary cross-sectional view of the coated substrate.

Substrate 102a

Wet bonding material 104a Uniform dry particles 106a Topcoating 108a Dwg.1B/10

L22 ANSWER 4 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

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ACCESSION NUMBER:
                          2005-457494 [46] WPIDS
                          2002-315278 [35]; 2003-058682 [05]; 2003-058683 [05];
CROSS REFERENCE:
                          2003-067606 [06]; 2003-075604 [07]; 2003-140141 [13];
                          2003-606116 [57]; 2003-754943 [71]; 2003-830575 [77];
                          2003-830978 [77]; 2003-830979 [77]; 2003-899131 [82];
                          2004-032631 [03]; 2004-059437 [06]; 2004-069282 [07];
                          2004-542624 [52]; 2004-551748 [53]; 2004-652054 [63];
                          2004-708482 [69]; 2005-434341 [44]
                          C2005-139046
DOC. NO. CPI:
                          Treating a subject having a condition, e.g. skin or
TITLE:
                          respiratory condition such as psoriasis or asthma, by
                          contacting area of subject having condition with
                          nanocrystalline metal-containing compound by
                          injection or inhalation.
DERWENT CLASS:
                          B06 D21
                         BURRELL, R E; GILLIS, S H; SCHECHTER, P
INVENTOR(S):
                        (NUCR-N) NUCRYST PHARM CORP
PATENT ASSIGNEE(S):
COUNTRY COUNT:
PATENT INFORMATION:
      PATENT NO KIND DATE WEEK LA PG
      US 2005136128 A1 20050623 (200546) * 38
APPLICATION DETAILS:
      PATENT NO KIND
     US 2005136128 A1 CIP of US 2000-628735 20000727
Provisional US 2001-285884P 20010423
CIP of US 2001-840637 20010423
CIP of US 2001-916757 20010727
CIP of US 2002-128208 20020423
CIP of US 2002-131509 20020423
CIP of US 2002-131511 20020423
CIP of US 2002-131568 20020423
CIP of US 2002-131568 20020423
CIP of US 2002-159587 20020530
Cont of US 2002-277298 20021022
US 2004-998499 20041129
FILING DETAILS:
                                            PATENT NO
      PATENT NO KIND
      ___________
      US 2005136128 A1 CIP of
                                              US 6692773
PRIORITY APPLN. INFO: US 2001-285884P
                                                20010423; US
                          2000-628735 20000727; US
2001-840637 20010423; US
2001-916757 20010727; US
2002-128208 20020423; US
2002-131509 20020423; US
                          2002-131511
                                              20020423; US
                                              20020423; US
                          2002-131568
                          2002-159587
                                              20020530; US
                          2002-277298
                                              20021022; US
                          2004-998499
                                               20041129
      2005-457494 [46]
AN
                           WPIDS
      2002-315278 [35]; 2003-058682 [05]; 2003-058683 [05]; 2003-067606
CR
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[06]; 2003-075604 [07]; 2003-140141 [13]; 2003-606116 [57]; 2003-754943 [71]; 2003-830575 [77]; 2003-830978 [77]; 2003-830979 [77]; 2003-899131 [82]; 2004-032631 [03]; 2004-059437 [06]; 2004-069282 [07]; 2004-542624 [52]; 2004-551748 [53]; 2004-652054 [63]; 2004-708482 [69]; 2005-434341 [44]
```

AB US2005136128 A UPAB: 20050720

NOVELTY - Treating a subject having a condition, e.g. skin or respiratory condition such as psoriasis, burn, eczema, asthma, emphysema, or bronchitis, includes contacting an area of the subject having the condition with nanocrystalline metal-containing compound by injecting or inhaling freestanding powder of nanocrystalline metal-containing compound.

ACTIVITY - Vulnerary; Dermatological; Antiseborrheic; Antipsoriatic; Antiinflammatory; Ophthalmological; Uropathic; Antiasthmatic; Respiratory-General; Antitubercular; Tuberculostatic; CNS-General; Antiarthritic; Antiarteriosclerotic; Antibacterial; Immunosuppressive; Cytostatic; Virucide; Gastrointestinal-General; Vasotropic; Fungicide.

MECHANISM OF ACTION - None given.

USE - For treating subject having a condition, e.g. bacterial, microbial, inflammatory, fungal, viral, autoimmune, idiopathic, or non-cancerous growth and cancerous skin condition, integument condition, respiratory condition, musculo-skeletal condition, circulatory condition, cancer, mucosal condition or serosal condition, dental condition, oral condition, or periodontal condition, such as burn, eczema, erythroderma, insect bite, mycosis fungoid, pyoderma gangrenosum, erythema multiforme, rosacea, onychomyocosis, acne, psoriasis, Reiter's syndrome, pityriasis rubra pilaris, hyperpigmentation, vitiligo, hypertropic scarring, keloid, lichen planus, age related skin disorder, hyperproliferative variant of the disorders of keratinization, lupus pneumonitis, asthma, emphysema, bronchitis, pulmonary edema, acute respiratory distress syndrome, broncho-pulmonary dysplasia, pulmonary fibrosis, pulmonary atelectasis, tuberculosis, pneumonia, sinusitis, pharyngitis, mucositis, chronic obstructive pulmonary disease, bronchiectasis, cystic fibrosis, tendonitis, osteomyelitis, fibromyalgia, bursitis, arthritis, arteriosclerosis, septicemia, leukemia, ischemic vascular disease, lymphangitis, atherosclerosis, tumor and hematologic malignancies, pericarditis, Bowen's disease, prostatitis, digestive disorder, toxic epidermal necrolysis syndrome, Stevens Johnson syndrome, common cold, ear infection, sore throat, sexually transmitted disease, inflammatory bowel disease, colitis, hemorrhoid, thrush, or conjunctivitis (all claimed).

ADVANTAGE - Administration of nanocrystalline metal-containing compound is effective in treating specified conditions. Dwg.0/9

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L22 ANSWER 5 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
ACCESSION NUMBER:
                      2005-434341 [44]
                                       WPIDS
CROSS REFERENCE:
                      2002-315278 [35]; 2003-058682 [05]; 2003-058683 [05];
                      2003-067606 [06]; 2003-075604 [07]; 2003-140141 [13];
                      2003-606116 [57]; 2003-754943 [71]; 2003-830575 [77];
                      2003-830978 [77]; 2003-830979 [77]; 2003-899131 [82];
                      2004-032631 [03]; 2004-059437 [06]; 2004-069282 [07];
                      2004-542624 [52]; 2004-551748 [53]; 2004-652054 [63];
                      2004-708482 [69]; 2005-457494 [46]
DOC. NO. NON-CPI:
                     N2005-352492
DOC. NO. CPI:
                      C2005-133259
TITLE:
                     Use of a nanocrystalline metal-containing compound to
```

treat bacterial, microbial, inflammatory, fungal, viral, autoimmune, idiopathic, noncancerous growths

or cancerous conditions of mucosa, serosa,

circulation or respiration. B04 B06 B07 C03 D21 D22 P34

INVENTOR(S): BURRELL, R E; GILLIS, S H; LAM, K; MOXHAM, P H;

NAYLOR, A G; SCHECHTER, P; STILES, J A R; WRIGHT, J

B; YIN, H Q

PATENT ASSIGNEE(S): (NUCR-N) NUCRYST PHARM CORP

COUNTRY COUNT: 32

PATENT INFORMATION:

DERWENT CLASS:

PATENT NO	KIND DATE	WEEK	LA PG
US 2005129624	A1 20050616	(200544)*	38
EP 1575552	A2 20050921	(200562)	EN

R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
US 2005129624	A1 CIP of	US 2000-628735	20000727
	CIP of	US 2001-840637	20010423
	CIP of	US 2001-916757	20010727
	CIP of	US 2002-128208	20020423
	CIP of	US 2002-131509	20020423
	CIP of	US 2002-131511	20020423
	CIP of	US 2002-131568	20020423
	CIP of	US 2002-159587	20020530
	Cont of	US 2002-277358	20021022
		US 2004-985204	20041110
EP 1575552	A2	EP 2003-781362	20031022
		WO 2003-US33446	20031022

FILING DETAILS:

PATENT NO	KIND	PATENT NO
	A1 CIP of A2 Based on	
	US 2002-277358 2000-628735 2001-840637 2001-916757 2002-128208 2002-131509 2002-131511 2002-131568 2002-159587 2004-985204 2002-277298 2002-277320 2002-277362 2002-277362 2002-277673 2003-364983	20000727; US 20010423; US 20010727; US 20020423; US 20020423; US 20020423; US 20020530; US 20041110; US 20021022; US 20021022; US 20021022; US 20021022; US 20021022; US

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AN 2005-434341 [44] WPIDS
CR 2002-315278 [35]; 2003-058682 [05]; 2003-058683 [05]; 2003-067606 [06]; 2003-075604 [07]; 2003-140141 [13]; 2003-606116 [57]; 2003-754943 [71]; 2003-830575 [77]; 2003-830978 [77]; 2003-830979 [77]; 2003-899131 [82]; 2004-032631 [03]; 2004-059437 [06]; 2004-069282 [07]; 2004-542624 [52]; 2004-551748 [53]; 2004-652054 [63]; 2004-708482 [69]; 2005-457494 [46]
AB US2005129624 A UPAB: 20050928
```

NOVELTY - Treatment of a subject having a condition (mucosal, serosal, respiratory, circulatory and musculoskeletal conditions), comprising contacting an area of the subject having the condition with a nanocrystalline metal-containing compound (I), is new.

ACTIVITY - Antibacterial; Antimicrobial; Antiinflammatory; Fungicide; Virucide; Immunosuppressive; Cytostatic; CNS-Gen.; Cardiant; Respiratory-Gen.; Auditory; Gastrointestinal-Gen.; Vasotropic; Ophthalmological; Antiasthmatic; Antitubercular; Tuberculostatic; Antiarteriosclerotic; Muscular-Gen.; Osteopathic; Antiarthritic.

The ability of (I) (as **silver** mist) to treat bacterial conditions in lungs was tested using male Sprague-Dawley rats infected with Pseudomonas aeruginosa strain 579. The results showed that there was a sharper decline in the numbers of bacteria present in lungs.

MECHANISM OF ACTION - Matrix metalloproteinase (MMP) inhibitor; Cytokine production inhibitor.

USE - (I) is useful to treat bacterial, microbial, inflammatory, fungal, viral, autoimmune, idiopathic, noncancerous growths or cancerous conditions of mucosa or serosa (where the condition is pericarditis, Bowen's disease, stomatitis, prostatitis, sinusitis, digestive disorders, toxic epidermal necrolysis syndrome, Stevens Johnson syndrome, cystic fibrosis, bronchitis, pneumonia, pharyngitis, common cold, ear infections, sore throat, sexually transmitted diseases, inflammatory bowel disease, colitis, hemorrhoids, thrush, dental conditions, oral conditions, conjunctivitis or periodontal conditions); respiration (where the condition is asthma, emphysema, bronchitis, pulmonary edema, acute respiratory distress syndrome, bronchopulmonary dysplasia, pulmonary fibrosis, pulmonary atelectasis, tuberculosis, sinusitis, mucositis, chronic obstructive pulmonary disease, or bronchiectasis); circulation (where the condition is arteriosclerosis, septicemia, leukemia, ischemic vascular disease, lymphangitis or atherosclerosis); and musculoskeleton (where the condition is tendonitis, osteomyelitis, fibromyalgia, bursitis or arthritis) (claimed).

ADVANTAGE - (I) comprising silver, lacks a toxic cation such as nitrate or sulfadiazine.

Dwg.0/9

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L22 ANSWER 6 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN ACCESSION NUMBER: 2005-319978 [33] WPIDS
```

DOC. NO. NON-CPI: N2005-261676
DOC. NO. CPI: C2005-099848

TITLE: Antimicrobial stain resistant

substrate, for wash basin and sink, includes

film having siloxane bond formed on entire surface of film with surface hydroxyl group containing

antimicrobial particles and exposed in

island-like form.

DERWENT CLASS: D22 L01 P73

PATENT ASSIGNEE(S): (MATU) MATSUSHITA DENKI SANGYO KK

COUNTRY COUNT:

PATENT INFORMATION:

PATENT NO KIND DATE WEEK LA PG ______ JP 2005119026 A 20050512 (200533)* 13

APPLICATION DETAILS:

PATENT NO KIND APPLICATION _____ JP 2005119026 A JP 2003-353436 20031014

PRIORITY APPLN. INFO: JP 2003-353436 20031014

AN 2005-319978 [33] WPIDS JP2005119026 A UPAB: 20050524 AB

> NOVELTY - An antimicrobial stain resistant substrate has film having siloxane bond formed on entire surface of film having surface hydroxyl group and containing antimicrobial particles and exposed in island-like form.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for manufacture of antimicrobial stain resistant substrate, which involves forming the film containing antimicrobial particle and exposing in island-like form on a substrate, and immersing in solution containing a silane

USE - Used for periphery of sanitation such as sink and bathtub of kitchen, toilet, washing machine, dishwasher and cooking appliance.

ADVANTAGE - Antimicrobial property and stain resistance are simultaneously provided to substrate surface.

DESCRIPTION OF DRAWING(S) - The figure shows the process figure of manufacture of antimicrobial stain resistant substrate. (Drawing includes non-English language text).

Glass substrate 1,7

Silver oxide particles 2

Film having silver oxide particle 3

Solvent 6 Dwq.1/2

L22 ANSWER 7 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 2005-599246 [62] WPIDS DOC. NO. NON-CPI: N2005-491613

TITLE:

Antimicrobial sanitary ware e.g. soap holder, has antimicrobial film formed on substrate, which has protective layer in which antimicrobial metal particles

comprising silver or zinc, are

dispersed.

35

DERWENT CLASS:

P28 P32 P34 LO, W; LO, W L

INVENTOR(S):

PATENT ASSIGNEE(S): (GLOB-N) GLOBE UNION IND CORP

COUNTRY COUNT:

PATENT INFORMATION:

PATENT NO KIND DATE WEEK LA PG -----EP 1574132 A2 20050914 (200562)* 6

R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR

US 2005202099 A1 20050915 (200562) CA 2461588 A1 20050922 (200571)# EN

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
EP 1574132 US 2005202099	A2 A1	EP 2004-256168 US 2004-797818	20041006
CA 2461588	A1	CA 2004-797818	20040310

PRIORITY APPLN. INFO: US 2004-797818 20040310; CA

2004-2461588 20040322

AN 2005-599246 [62] WPIDS AB EP 1574132 A UPAB: 20050928

NOVELTY - The sanitary ware has an antimicrobial film formed on a substrate (2). The film has a protective layer (3) in which antimicrobial metal particles (4) are dispersed. The protective layer is made of a compound selected from metal nitrides or metal carbides. The antimicrobial metal particles are made from a metal

selected from silver, zinc, or copper.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for

manufacturing method of antimicrobial sanitary ware.

USE - Antimicrobial sanitary ware e.g. soap holder,
towel bars, robe hangers, faucets, shower heads, shelves, paper
holders, tumbler holders, door knobs.

ADVANTAGE - The antimicrobial film mitigates the growth of bacteria or fouling on the sanitary ware while maintaining the resistance to corrosion and wear of the sanitary ware which is constantly exposed to moisture.

DESCRIPTION OF DRAWING(S) - The figure shows a sectional view of the sanitary ware.

substrate 2

protective layer 3

antimicrobial metal particles 4

Dwg.2/2

L22 ANSWER 8 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 2004-775643 [76] WPIDS

CROSS REFERENCE: 2004-795183 [78] DOC. NO. CPI: C2004-271627

TITLE: Antimicrobial pigments used for, e.g.

inhibition of growth and/or progeny of microorganism,

are obtained by agitating suspension comprising

inorganic pigments and silver oxide.

DERWENT CLASS: D21 D22 G01

INVENTOR(S): BICARD-BENHAMOU, V; BRUNNER, M; BUCHHOLZ, H; MEDUSKI,

J

PATENT ASSIGNEE(S): (MERE) MERCK PATENT GMBH

COUNTRY COUNT: 108

PATENT INFORMATION:

PATENT NO KIND DATE WEEK LA PG
----WO 2004092283 A2 20041028 (200476)* EN 112

RW: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM

ZW

W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2004092283	A2	WO 2004-EP3091	20040324

PRIORITY APPLN. INFO: US 2003-463726P 20030418

AN 2004-775643 [76] WPIDS

CR 2004-795183 [78]

AB WO2004092283 A UPAB: 20041206

> NOVELTY - An antimicrobial pigment is obtained by agitating a suspension comprising inorganic pigments and silver oxide as antimicrobial compound.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method for preparation of antimicrobial pigments comprising agitation of suspension comprising inorganic pigments and silver oxide as antimicrobial compound.

USE - Used for inhibition of growth and/or progeny of microorganism; formulations or applications consisting of cosmetic formulations, paints, inks, food coloring, home care products, animal care products, products for personal and work hygiene, contact lenses, chromatography materials, medical equipment, protective topicals, pharmaceutical, dermatological formulations, lacquers, coatings, and/or plastics; for oral care; and for prophylaxis and/or treatment of herpes (claimed).

ADVANTAGE - The invention combines general properties of pigments or fillers with an antimicrobial activity without altering the properties of the pigments or fillers with respect to color, chroma, and tinting strength. Dwg.0/0

L22 ANSWER 9 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 2004-795183 [78] WPIDS

CROSS REFERENCE:

2004-775643 [76] C2004-277515

DOC. NO. CPI: TITLE:

Formulations, useful for reducing undesirable side-effects caused by microorganisms, especially dandruff, acne and malodor, comprises pigments obtainable by agitating a suspension comprising one

or more inorganic pigments and silver

oxide.

DERWENT CLASS:

B05 B06 D21

INVENTOR(S):

BICARD-BENHAMOU, V; BRUNNER, M; BUCHHOLZ, H

PATENT ASSIGNEE(S): (MERE) MERCK PATENT GMBH

COUNTRY COUNT:

108

PATENT INFORMATION:

PATENT NO KIND DATE WEEK LA PG ______

WO 2004091567 A2 20041028 (200478)* EN 96

RW: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT

KE LS LU MC MW MZ NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM 74

W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2004091567	A2	WO 2004-EP3090	20040324

PRIORITY APPLN. INFO: US 2003-463726P 20030418

AN 2004-795183 [78] WPIDS

CR 2004-775643 [76]

AB W02004091567 A UPAB: 20041206

NOVELTY - Formulations (A) for topical applications comprises pigments obtainable by agitating a suspension comprising one or more inorganic pigments and **silver** oxide, in order to reduce undesirable side-effects caused by microorganisms.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for preparation of (A) comprising agitating a suspension comprising one or more inorganic pigments and **silver** oxide and mixing the pigment with further ingredients suitable for formulations.

ACTIVITY - Antiseborrheic; Dermatological; Antibacterial; Virucide.

MECHANISM OF ACTION - None given.

USE - (A) is useful for reducing undesirable side-effects (especially dandruff, acne and/or malodor) caused by microorganisms and also to treat/prevent acne, dandruff and/or malodor (claimed). (A) is useful for treating microbial infections e.g. Darier's disease, leucoplasia, leucoplasiform states, herpes of the skin and mucous membrane.

The ability of (A) to treat microbial infections was assessed using Pseudomonas suspension containing 8.5 multiply 105 germ cells/ml. The results showed that the number of cells after 10 days of treatment was 0 germ cell/ml.

ADVANTAGE - (A) shows good wrinkle hiding effects and gives a good skin feeling. Dwg.0/0

L22 ANSWER 10 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER:

2004-479009 [45] WPIDS

CROSS REFERENCE:

2004-498301 [47]; 2006-027197 [03] N2004-377686

DOC. NO. NON-CPI:

C2004-178323

DOC. NO. CPI: TITLE:

Coating surface of substrate, e.g. cooking

device, container, comprises evenly coating bonding material with single layer of uniform dry particles and curing wet bonding material and dry particles.

DERWENT CLASS:

A14 A28 A82 G02 P42

INVENTOR(S):

NESBITT, B

PATENT ASSIGNEE(S):

(ORIO-N) ORION IND LTD; (NESB-I) NESBITT B

COUNTRY COUNT: 107

PATENT INFORMATION:

PAT	CENT	NO			KII	ND I	DAT	Ε	V	VEE	K		LA	I	?G							
	200								•					42	-							
	RW:	ΑT	BE	ВG	BW	CH	CY	CZ	DE	DK	EA	EE	ES	FI	FR	GB	GH	GM	GR	HU	ΙE	ΙT
		KE	LS	LU	MC	MW	ΜZ	NL	OA	PT	RO	SD	SE	SI	SK	\mathtt{SL}	SZ	TR	TZ	UG	ZM	ZW
	W:	ΑE	AG	AL	AM	ΑT	AU	ΑZ	BA	BB	BG	BR	BY	BZ	CA	CH	CN	CO	CR	CU	CZ	DE
		DK	DM	DZ	EC	EE	EG	ES	FI	GB	GD	GE	GH	GM	HR	HU	ID	IL	IN	IS	JΡ	KE
		KG	KP	KR	KZ	LC	LK	LR	LS	LT	LU	LV	MA	MD	MG	MK	MN	MW	MX	MZ	NI	NO
		NZ	OM	PG	PH	PL	PT	RO	RU	SC	SD	SE	SG	SK	\mathtt{SL}	SY	ТJ	TM	TN	TR	TT	TZ
		UA	UG	UZ	VC	VN	YU	ZΑ	$\mathbf{Z}\mathbf{M}$	ZW												
AU	200	3290	0973	3	A1	200	040	709	(20	0047	74)											

APPLICATION DETAILS:

.4 . 6

PATENT NO	KIND	APPLICATION	DATE
US 2004115477	A1	US 2002-318503	20021212
WO 2004055229	A2	WO 2003-US36604	20031114
AU 2003290973	A1	AU 2003-290973	20031114

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2003290973	Al Based on	WO 2004055229

PRIORITY APPLN. INFO: US 2002-318503 20021212

AN 2004-479009 [45] WPIDS

CR 2004-498301 [47]; 2006-027197 [03]

AB US2004115477 A UPAB: 20060112

NOVELTY - Coating a surface of a substrate comprises applying a wet bonding material (104f) to the surface of the substrate (102f); evenly coating the bonding material with a single layer of uniform dry particles (106c, 106d); at least partially curing the wet bonding material and the uniform dry particles; and applying a top coating (108f) to the bonding material and dry particles.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a coated substrate comprising a substrate including a shape made of a magnetic material placed on a surface of the substrate; a wet bonding material layer applied to the surface of the substrate; and a layer of uniform dry magnetic particles applied to the wet bonding material layer, wherein the magnetic particles are attracted to the shape on the surface of the substrate.

USE - For coating the surface of a substrate, e.g. cooking device, multi-surface part, or container (claimed).

ADVANTAGE - The dry particles increase the strength of the liquid coatings increasing solid particle density within the coating system to impart properties not available for the liquid coatings. The invention enables a user to easily introduce very heavy, dense, strong particles into a liquid coating and allows the user to apply very dense, heavy particles into and onto a wet bonding material layer followed by a subsequent wet topcoat layer which is cured as one contiguous material with reinforcement and underlayment strengthening coming from the added, dry particles.

DESCRIPTION OF DRAWING(S) - The figure shows an enlarged fragmentary side view of a coated **substrate** including

spherical and flake-shaped particles distributed on the surface of the substrate with different densities.

Substrate 102f

Bonding material 104f Dry particles 106c, 106d

Top coating 108f

Dwg.1H/10

L22 ANSWER 11 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 2004-328532 [30]

WPIDS

CROSS REFERENCE:

2002-393598 [42]

DOC. NO. CPI:

C2004-124493

TITLE:

1

Composite material for external and/or internal association with a living body and for rapid release of a beneficial agent, comprises a core component fabricated from a material with a hardness greater

than that of a first beneficial agent.

DERWENT CLASS:

B07

INVENTOR(S):

JOSHI, A V

PATENT ASSIGNEE(S):

(JOSH-I) JOSHI A V

COUNTRY COUNT:

PATENT INFORMATION:

PATENT NO KIND DATE WEEK LA PG US 2004071784 A1 20040415 (200430)* 9

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
US 2004071784	A1 CIP of	US 2000-641120 US 2003-607843	20000817

FILING DETAILS:

PATENT NO	KIND	PATENT NO
US 2004071784	Al CIP of	US 6602523

PRIORITY APPLN. INFO: US 2003-607843

20030627; US

2000-641120

20000817

ΑN 2004-328532 [30]

2002-393598 [42] CR

US2004071784 A UPAB: 20040511

NOVELTY - A composite material comprises a core component (12) fabricated from a material having a hardness greater than the hardness of a first beneficial agent (16) to increase bioavailability of the first beneficial agent.

DETAILED DESCRIPTION - A composite material suitable for external and/or internal association with a living body and for rapid release of a beneficial agent, comprises particles including a core component and beneficial agent(s). The core component has a surface (14) area less than approx. 10 M2/gm. It is a stable material and is an inorganic material from noble metals, metal

oxides, metal nitrides, metal

carbides, metal phosphates, metal

carbonates, metal sulfates, metal halides, carbonaceous materials, ceramic materials, zeolites, and/or silicon

dioxide. The beneficial agent is adsorbed on at least a portion of the surface of the core component. The core component is fabricated from a material having a hardness greater than the hardness of the first beneficial agent to increase bioavailability of the first beneficial agent.

An INDEPENDENT CLAIM is also included for a process for fabricating the inventive composite material for rapid release of a beneficial agent, comprising adsorbing the beneficial agent on at least a portion of the surface of the core component.

USE - For external and/or internal association with a living tissue and for rapid release of a beneficial agent.

ADVANTAGE - The invention enables increased bioavailability and/or activity of the beneficial agent, maximizes administration efficiency, and minimizes administration cost and/or toxicity.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic representation of a composite material.

Component 12

Surface 14

ť

Beneficial agent 16 Dwg.1a/5

L22 ANSWER 12 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 2004-343289 [32] WPIDS

DOC. NO. NON-CPI: N2004-274274

DOC. NO. CPI: C2004-131072

TITLE: Film-containing substrate for printed

wiring substrates, consists of film formed on specific portion or entire portion of silicone

layer contained in base material.

DERWENT CLASS: LO3 VO4

PATENT ASSIGNEE(S): (NICV) NICHIDEN ANELVA KK

COUNTRY COUNT:

PATENT INFORMATION:

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION ,	DATE
JP 2004099969	A	JP 2002-263476	20020910

PRIORITY APPLN. INFO: JP 2002-263476 20020910

AN 2004-343289 [32] WPIDS

AB JP2004099969 A UPAB: 20040520

NOVELTY - The film-containing substrate (1) comprises a substrate (10) consisting of a base material (11). The base material has three-dimensional structure whose surface at least consists of silicone layer (12). A specific portion of silicone layer or entire portion of silicone layer consists of a film (13) formed by chemical vapor deposition method.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for manufacture of film-containing substrate.

USE - For printed wiring substrates, preferably flexible substrates used for household components and medical devices.

ADVANTAGE - The film-containing substrate is inexpensive, and has excellent adhesion of film on base material through silicone layer, uniform thickness of the film, and coating property. The film-containing substrate has high density and high reliability of wiring in printed wiring substrates. The film-containing substrate consists of copper film which has excellent antimicrobial property.

DESCRIPTION OF DRAWING(S) - The figure shows the structure of film-containing substrate.

film-containing substrate 1

substrate 10
base material 11

silicone layer 12

film 13 Dwg.1/4

L22 ANSWER 13 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER:

2003-494004 [46] WPIDS

DOC. NO. CPI:

C2003-132264

TITLE:

ľ

Production of photo-catalytic structures in titanium oxide-containing layer involves heating, resulting in

photo-hydrophilic and photolytic capabilities.

DERWENT CLASS:

D22 J04

INVENTOR(S):

HUNSCHE, B; NEUMANN, F; RICKERS, C; THOMAS, M;

VERGOHL, M; VERGOEHL, M

PATENT ASSIGNEE(S):

(FRAU) FRAUNHOFER GES FOERDERUNG ANGEWANDTEN; (FRAU)

FRAUNHOFER GES FOERDERUNG ANGEWANDTEN EV

COUNTRY COUNT: 103

PATENT INFORMATION:

PATENT NO	KIND DATE	WEEK	LA I	2G
				-

WO 2003051787 A2 20030626 (200346)* GE 12

RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SI SK SL SZ TR TZ UG ZM ZW

W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE

DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG

KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM

PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ

VC VN YU ZA ZM ZW

AU 2002364289 A1 20030630 (200420)

EP 1458654 A2 20040922 (200462) GE

R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV

MC MK NL PT RO SE SI SK TR

KR 2004077862 A 20040907 (200506)

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2003051787	A2	WO 2002-EP14564	20021219
AU 2002364289	A1	AU 2002-364289	20021219
EP 1458654	A2	EP 2002-799062	20021219
		WO 2002-EP14564	20021219
KR 2004077862	A	KR 2004-709719	20040618

FILING DETAILS:

PATENT NO KIND PATENT NO

AU 2002364289 Al Based on WO 2003051787 EP 1458654 A2 Based on WO 2003051787

PRIORITY APPLN. INFO: DE 2001-10162681 20011219

2003-494004 [46] WPIDS

WO2003051787 A UPAB: 20030719 AB

> NOVELTY - The inactive layer is locally heated to effect modification, thus causing transition to a photo-catalytic form and confer photo-hydrophilicity. In addition or alternatively, photolytic capability is exhibited towards organic materials.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for an arrangement, in which the titanium-oxide containing layer has catalytically-active and -inactive areas.

USE - To induce photo-hydrophilicity or photolytic effect in a layer including titanium dioxide, used to exploit photo-induced anti-bacterial effect in the layer; in a spotting procedure (all claimed), and also for use in various biotechnological procedures.

ADVANTAGE - Catalytic activity results from exposure to light of appropriate wavelength. The layer is preferably porous, and associated with a substrate. Known processes may be used to produce the layer, e.g. vacuum coating. Magnetron sputtering at 100-250 deg. C can also conveniently cause the modification. Diverse artificial or natural lighting sources induce the photo-catalytic effect. The effect is suppressed in darkness, and renewed on re-exposure. Dwq.0/0

L22 ANSWER 14 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 2003-468173 [44] WPIDS DOC. NO. NON-CPI: N2003-372664

DOC. NO. CPI:

C2003-124762

TITLE:

C

Water permeable sheet, used as recuperator membranes in fuel cell, has specified water vapor transmission rate and mean dimensional stability for wet or dry

sheet.

DERWENT CLASS: A85 L03 P73 X16
TNVENTOR(S): MacGLastan G. 1

INVENTOR(S):

MACGLASHAN, G; MARSHALL, C; READ, S PATENT ASSIGNEE(S): (CHES) LENZING AG; (UNIO) UCB SA

COUNTRY COUNT:

102

PATENT INFORMATION:

PATENT NO KIND DATE WEEK LA PG

WO 2003030284 A1 20030410 (200344)* EN 38

RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS

LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE

DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG

KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM

PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ

VC VN YU ZA ZM ZW

EP 1433214 A1 20040630 (200443) EN

R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV

MC MK NL PT RO SE SI SK TR

AU 2002337127 A1 20030414 (200461)

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2003030284	A1	WO 2002-EP10648	20020923
EP 1433214	A1	EP 2002-772338	20020923
		WO 2002-EP10648	20020923
AU 2002337127	A1	AU 2002-337127	20020923

FILING DETAILS:

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PATENT NO	KIND	PATENT NO
EP 1433214	Al Based on	WO 2003030284
AU 2002337127	Al Based on	WO 2003030284

PRIORITY APPLN. INFO: GB 2001-24541 20011012; GB

2001-23183 20010927

AN 2003-468173 [44] WPIDS AB W02003030284 A UPAB: 20030710

NOVELTY - A water permeable sheet has a water vapor transmission rate of at least 200 g2/m2/day at 25 deg. C and 75% relative humidity, and a mean dimensional stability (over 100 cycles) for a wet or dry sheet in any direction parallel to the sheet surface of less than 15% change in linear dimension.

DETAILED DESCRIPTION - A water permeable sheet comprises a laminate of a substantially water permeable first layer bonded to a supporting porous layer comprising a matrix of water insoluble fibers of inorganic mineral and/or porous plastic film, optionally polyethylene or polypropylene, and/or matrix of water insoluble fibers impregnated with a water-permeable material. The sheet has a water vapor transmission rate of at least 200 g2/m2/day at 25 deg. C and 75% relative humidity, and a mean dimensional stability (over 100 cycles) for a wet or dry sheet in any direction parallel to the sheet surface of less than 15% change in linear dimension.

INDEPENDENT CLAIMS are also included for:

- (a) A method of making laminated sheet comprising preparing a web of water permeable film, bonding the web to a porous support layer and optionally applying an adhesive layer to form a multilayered web;
- (b) A method of making an impregnated sheet comprising immersing a porous fibrous matrix in a bath containing water permeable material and regenerating the water permeable material within the matrix;
 - (c) A power source/vehicle comprising at least one fuel cell; and
- (d) A method of manufacturing a fuel cell recuperator comprising locating a sheet in fluid connection with any conduit which carries reactant into or out of a fuel cell.

USE - The water permeable sheet is used as recuperator membrane to manage heat, water and humidity levels in the reactant streams of a fuel cell (e.g. polymer electrolyte membrane fuel cell, alkaline fuel cell, phosphoric acid fuel cells, molten carbonate fuel cell or solid oxide fuel cells) (claimed).

ADVANTAGE - Improved mechanical properties, is dimensionally stable, highly water permeable, and acts as good gas barrier between streams of fuel and oxidant gases.

Dwg.0/8

L22 ANSWER 15 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN ACCESSION NUMBER: 2004-190063 [18] WPIDS

DOC. NO. CPI: C2004-074901

TITLE: Coating composition useful for coating medical device e.g. stent comprises bioactive agent in combination

with first and second polymer components containing

aromatic poly(meth)acrylate polymer and

poly(ethylene-co-vinyl acetate.

DERWENT CLASS:

A96 B04 D16 P34

INVENTOR(S):

ANDERSON, A B; CHAPPA, R A; HERGENROTHER, R W; LAWIN,

L R; OFSTEAD, R F; TRAN, L V

PATENT ASSIGNEE(S):

(ANDE-I) ANDERSON A B; (CHAP-I) CHAPPA R A; (HERG-I)

HERGENROTHER R W; (LAWI-I) LAWIN L R; (OFST-I)

OFSTEAD R F; (TRAN-I) TRAN L V; (SURM-N) SURMODICS

INC 103

COUNTRY COUNT:

PATENT INFORMATION:

PATENT NO	KIND DATE	WEEK	LA	PG
US 2003232087	A1 20031218	(200418)*	1	 5

WO 2003105918 A1 20031224 (200418) EN

RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE

LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE
DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG
KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM
PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ

VC VN YU ZA ZM ZW

AU 2003247553 A1 20031231 (200451)

EP 1551469 A1 20050713 (200546) EN

R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

APPLICATION DETAILS:

PA	TENT NO	KIND	APPLICATION	DATE
US	2003232087	A1	US 2002-17463	5 20020618
WC	2003105918	A1	WO 2003-US192	49 20030618
ΑU	2003247553	A1	AU 2003-24755	3 20030618
EF	1551469	A1	EP 2003-76046	20030618
			WO 2003-US192	49 20030618

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2003247553	Al Based on	WO 2003105918
EP 1551469	Al Based on	WO 2003105918

PRIORITY APPLN. INFO: US 2002-174635 20020618

AN 2004-190063 [18] WPIDS

AB US2003232087 A UPAB: 20040316

NOVELTY - A coating composition (I) comprises a bioactive agent in combination with several polymers (b), comprising first polymer component (c) containing at least one aromatic poly(meth)acrylate polymer and a second polymer component (d) containing poly(ethylene-co-vinyl acetate), is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for:
(1) coating a device (A) with bioactive agent involving applying
(I);

(2) a combination (II) comprising device coated with (I) (the combination provides controlled release of (a) when positioned in

aqueous environment); and

(3) method of using (II) involving positioning the device in vivo under aqueous conditions to permit the device to release the bioactive agent in situ.

USE - For coating a device (e.g. vascular devices (preferably graft, stent, catheter, valve, artificial heart or heart assist device), orthopedic devices (preferably joint implants, fracture repair devices or artificial tendons), dental devices (preferably dental implants and fracture repair device), drug delivery devices, ophthalmic devices, glaucoma drain shunts, urological devices (preferably penile, sphincter, urethral, bladder or renal devices), synthetic prostheses, dialysis tubing and membranes, blood oxygenator tubing and membranes, blood bags, sutures, membranes, cell culture devices, chromatographic support materials or biosensors) with bioactive agent (claimed).

ADVANTAGE - The composition controls and/or improves the ability of coating device to release bioactive agents in aqueous system. The coating composition when coated on the surface of the implantable device permits the surface to release the bioactive agent over time when implanted in vivo. The composition under conditions of increased humidity accelerates the release of the bioactive agents in vivo while decreasing humidity levels de-accelerate release. The composition provides controlled and sustained release of the bioactive agent. Dwg.0/3

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L22 ANSWER 16 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
                      2004-069282 [07]
                                         WPIDS
ACCESSION NUMBER:
CROSS REFERENCE:
                      2002-315278 [35]; 2003-058682 [05]; 2003-058683 [05];
                      2003-067606 [06]; 2003-075604 [07]; 2003-140141 [13];
                      2003-606116 [57]; 2003-754943 [71]; 2003-830575 [77];
                      2003-830978 [77]; 2003-830979 [77]; 2003-899131 [82];
                      2004-032631 [03]; 2004-059437 [06]; 2004-542624 [52];
                      2004-551748 [53]; 2004-652054 [63]; 2004-708482 [69];
                      2005-434341 [44]; 2005-457494 [46]
DOC. NO. CPI:
                      C2004-028781
                      Inducing apoptosis in subject involves contacting
TITLE:
                      area of the subject with nanocrystalline
                      metal-containing compound.
DERWENT CLASS:
                      B04 B06 C03 D21 D22
INVENTOR(S):
                      BURRELL, R E; GILLIS, S H; LAM, K; MOXHAM, P H;
                      NAYLOR, A G; SCHECHTER, P; STILES, J A R; WRIGHT, J
                      B; YIN, H Q
                      (BURR-I) BURRELL R E; (GILL-I) GILLIS S H; (LAMK-I)
PATENT ASSIGNEE(S):
                      LAM K; (SCHE-I) SCHECHTER P; (WRIG-I) WRIGHT J B;
                      (NUCR-N) NUCRYST PHARM CORP
COUNTRY COUNT:
                      107
PATENT INFORMATION:
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PATENT NO KIND DATE WEEK LA PG

US 2003206966 A1 20031106 (200407)* 41

WO 2004037187 A2 20040506 (200430) EN

RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE

LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE

DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE

KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO

NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ

UA UG US UZ VC VN YU ZA ZM ZW
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EP 1575552 A2 20050921 (200562) EN R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
US 2003206966	Al CIP of	US 2000-628735	20000727
	Provisional	US 2001-285884P	20010423
	CIP of	US 2001-840637	20010423
	CIP of	US 2001-916757	20010727
	CIP of	US 2002-128208	20020423
	CIP of	US 2002-131509	20020423
	CIP of	US 2002-131511	20020423
	CIP of	US 2002-131568	20020423
	CIP of	US 2002-159587	20020530
		US 2002-277320	20021022
WO 2004037187	A2	WO 2003-US33446	20031022
EP 1575552	A2	EP 2003-781362	20031022
		WO 2003-US33446	20031022

FILING DETAILS:

PATENT NO	KIND	PATENT NO
EP 1575552	A2 Based on	WO 2004037187
PRIORITY APPLN. INF	O: US 2001-285884P	20010423; US
	2000-628735	20000727; US
	2001-840637	20010423; US
	2001-916757	
	2002-128208	20020423; US
	2002-131509	20020423; US
	2002-131511	
	2002-131568	20020423; US
	2002-159587	20020530; US
	2002-277320	20021022; US
	2002-277298	20021022; US
	2002-277356	20021022; US
	2002-277358	20021022; US
	2002-277362	20021022; US
	2002-277673	
	2003-364983	20030212
AN 2004-069282 [0	•	
		o]; 2003-058683 [05]; 2003-067606
		41 [13]; 2003-606116 [57];
		7]; 2003-830978 [77]; 2003-830979
		31 [03]; 2004-059437 [06];
		3]; 2004-652054 [63]; 2004-708482
	341 [44]; 2005-4574	.94 [46]
	UPAB: 20050928	
		is induced by contacting an area
the subject wi	4.1	

ACTIVITY - Cytostatic.

MECHANISM OF ACTION - None given.
USE - For inducing apoptosis or modulating matrix metalloproteinases in a subject.

Searcher: Shears 571-272-2528

apoptosis and modulate metalloproteinases at the area of the subject.

ADVANTAGE - The invention provides therapeutic properties, and induces apoptosis in a subject and/or modulates matrix metalloproteinases in a subject.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic view of a deposition system.

vacuum chamber 110 Energy source 120

Target 130

Material to be removed 132

Substrate 140

Dwg.1/9

L22 ANSWER 17 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN 2004-059437 [06] ACCESSION NUMBER: WPIDS 2002-315278 [35]; 2003-058682 [05]; 2003-058683 [05]; CROSS REFERENCE: 2003-067606 [06]; 2003-075604 [07]; 2003-140141 [13]; 2003-606116 [57]; 2003-754943 [71]; 2003-830575 [77]; 2003-830978 [77]; 2003-830979 [77]; 2003-899131 [82]; 2004-032631 [03]; 2004-069282 [07]; 2004-542624 [52]; 2004-551748 [53]; 2004-652054 [63]; 2004-708482 [69]; 2005-434341 [44]; 2005-457494 [46] C2004-024417 DOC. NO. CPI: Treatment of subject having skin or integument TITLE: conditions, comprises contacting area of subject having condition with atomically disordered, nanocrystalline metal-containing compound. B04 B06 C03 D21 D22 DERWENT CLASS: BURRELL, R E; GILLIS, S H; LAM, K; MOXHAM, P H; INVENTOR(S): NAYLOR, A G; SCHECHTER, P; STILES, J A R; WRIGHT, J B; YIN, H Q PATENT ASSIGNEE(S): (BURR-I) BURRELL R E; (GILL-I) GILLIS S H; (LAMK-I)

LAM K; (SCHE-I) SCHECHTER P; (WRIG-I) WRIGHT J B; (YINH-I) YIN H Q; (NUCR-N) NUCRYST PHARM CORP

107

COUNTRY COUNT:

PATENT INFORMATION:

PA	rent	ИО			KI	I DI	DATI	Ξ	Ţ	VEE	K		LA]	PG							
US	200	3194	144	 4	A1	20	0310	016	(20	0040	76) [,]	*		40	-							
WO	200	403	718	7	A2	200	0405	506	(20	0043	30)	El	1									
	RW:	AT	BE	BG	CH	CY	CZ	DE	DK	EΑ	EE	ES	FI	FR	GB	GH	GM	GR	HU	ΙE	IT	KE
		LS	LU	MC	MW	MZ	NL	ΟA	PT	RO	SD	SE	SI	SK	\mathtt{SL}	SZ	TR	TZ	UG	ZM	ZW	
	W:	ΑE	AG	AL	AM	AT	ΑU	ΑZ	BA	BB	BG	BR	BY	BZ	CA	CH	CN	CO	CR	CU	CZ	DE
		DK	DM	DZ	EC	EE	EG	ES	FI	GB	GD	GΕ	GH	GM	HR	HU	ID	IL	IN	IS	JΡ	ΚĒ
		KG	KP	KR	ΚZ	LC	r	LR	LS	LT	LU	LV	MA	MD	MG	MK	MN	MW	ΜX	ΜZ	NI	ИО
		ΝZ	OM	PG	PH	PL	PT	RO	RU	SC	SD	SE	SG	SK	\mathtt{SL}	SY	ТJ	TM	TN	TR	TT	TZ
		UA	UG	US	UΖ	VC	VN	YU	ZA	ZM	ZW											
EP	157	5552	2		A2	20	050	921	(2)	005	62)	El	1									
	R:	AL	ΑT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	ΙE	ΙT	LI	LT	LU
		r_{Λ}	MC	MK	NL	PT	RO	SE	SI	SK	TR											

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
US 2003194444	Al CIP of	US 2000-628735	20000727
	Provisional	US 2001-285884P	20010423
	CIP of	US 2001-840637	20010423
	CIP of	US 2001-916757	20010727

			CIP	of	US	2002-128208	20020423
			CIP	of	ÚS	2002-131509	20020423
			CIP	of	US	2002-131511	20020423
			CIP	of	US	2002-131568	20020423
			CIP	of	US	2002-159587	20020530
					US	2002-277362	20021022
WO	2004037187	A2			WO	2003-US33446	20031022
ΕP	1575552	A2			EP	2003-781362	20031022
					· WO	2003-US33446	20031022

FILING DETAILS:

	PATENT NO	KIND	PATENT NO	
	EP 1575552	A2 Based on	WO 200403718	7
PRIO	RITY APPLN. INFO	: US 2001-285884P	20010423;	us
		2000-628735		
		2001-840637		
		2001-916757		
		2002-128208		
		2002-131509		
		2002-131511	20020423; US	
		2002-131568	20020423; US	
		2002-159587		
		2002-277362		
		2002-277298		
		2002-277320		
		2002-277356		
		2002-277358		
		2002-277673		
		2003-364983	20030212	
	2004-059437 [06]			
CR]; 2003-058682 [05];		
		04 [07]; 2003-140143		
]; 2003-830575 [77];		
		31 [82]; 2004-03263		
]; 2004-551748 [53];		[63]; 2004-708482
		41 [44]; 2005-457494	4 [46]	
AB				
	NOVELTY - Treati	ment of a subject ha	aving skin or	integument condition

NOVELTY - Treatment of a subject having skin or integument conditions, comprises contacting an area of the subject having the condition with an atomically disordered, nanocrystalline metal-containing compound.

ACTIVITY - Cytostatic; Antipsoriatic; Antiinflammatory; Ophthalmological; Uropathic; Dermatological; Antiseborrheic; Antibacterial; Virucide; Immunosuppressive. A 49 year old white male experienced occasional acne vulgaris. He had painful, raised, red papules and pustules on his shoulders. The patient was treated with gel formulation. The formulation was applied to the problem area of the patient's shoulders and then occluded by a thin hydrocolloid dressing. The dressing remained in place for 24 hours. Upon removal the pustule was no longer painful, red or raised.

MECHANISM OF ACTION - None given.

USE - The invention is for treating a subject having skin or integument conditions, particularly hyperproliferative skin condition or inflammatory skin condition. The hyperproliferative skin condition is psoriasis, Reiter's syndrome, pityriasis rubra pilaris, hyper-pigmentation, vitiligo or hyperproliferative variant of the disorders of keratinization. The inflammatory skin condition is

eczema, erythroderma, insect bite, mycosis fungoides, pyoderma gangrenosum, eythrema multiforme, rosacea, onychomyocosis, or acne. The skin condition can be bacterial conditions, microbial conditions, inflammatory conditions, fungal conditions, viral conditions, autoimmune conditions, idiopathic conditions, noncancerous growths or cancerous skin conditions. (All claimed)

ADVANTAGE - The metal-containing compound forms one or more metastable, relatively high level metal hydroxide species (e.g. Ag(OH)43-, Ag(OH)63-) that either directly or indirectly (e.g. via the formation of one or more biological mediators) provide the observed therapeutic properties. It is capable of releasing clusters of the metal (e.g. cluster of silver (Ag0) and/or cluster of Ag+) that provide the observed therapeutic properties.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic view of a deposition system. Dwg.1/9

L22 ANSWER 18 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN 2003-899131 [82] WPIDS ACCESSION NUMBER: 2002-315278 [35]; 2003-058682 [05]; 2003-058683 [05]; CROSS REFERENCE: 2003-067606 [06]; 2003-075604 [07]; 2003-140141 [13]; 2003-606116 [57]; 2003-754943 [71]; 2003-830575 [77]; 2003-830978 [77]; 2003-830979 [77]; 2004-032631 [03]; 2004-059437 [06]; 2004-069282 [07]; 2004-542624 [52]; 2004-551748 [53]; 2004-652054 [63]; 2004-708482 [69]; 2005-434341 [44]; 2005-457494 [46] DOC. NO. CPI: C2003-255641 Treating subject with mucosal, serosal, respiratory, TITLE: circulatory, or musculo-skeletal condition comprises contacting subject area having condition with nano-crystalline metal-containing compound. DERWENT CLASS: B04 B06 C03 D21 D22 BURRELL, R E; GILLIS, S H; LAM, K; MOXHAM, P H; INVENTOR(S): NAYLOR, A G; SCHECHTER, P; WRIGHT, J B; YIN, H Q (BURR-I) BURRELL R E; (GILL-I) GILLIS S H; (LAMK-I) PATENT ASSIGNEE(S): LAM K; (MOXH-I) MOXHAM P H; (NAYL-I) NAYLOR A G; (SCHE-I) SCHECHTER P; (WRIG-I) WRIGHT J B; (NUCR-N) NUCRYST PHARM CORP

COUNTRY COUNT: 106

PATENT INFORMATION:

PATENT NO	KIND DATE	WEEK I	LA PG
US 2003185901	A1 20031002	 (200382)*	42
WO 2004037187		\ = ,	
RW: AT BE BG	CH CY CZ DE	DK EA EE ES F	FI FR GB GH GM GR HU IE IT KE
LS LU MC	MW MZ NL OA	PT RO SD SE S	SI SK SL SZ TR TZ UG ZM ZW
W: AE AG AL	AM AT AU AZ	BA BB BG BR E	BY BZ CA CH CN CO CR CU CZ DE
DK DM DZ	EC EE EG ES	FI GB GD GE G	GH GM HR HU ID IL IN IS JP KE
KG KP KR	KZ LC LK LR	LS LT LU LV M	MA MD MG MK MN MW MX MZ NI NO
NZ OM PG	PH PL PT RO	RU SC SD SE S	SG SK SL SY TJ TM TN TR TT TZ
UA UG US	UZ VC VN YU	ZA ZM ZW	

APPLICATION DETAILS:

PATENT NO KIND		APPLICATION	DATE
US 2003185901	Al CIP of	US 2000-628735	20000727

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US 2001-285884P
                                                             20010423
                       Provisional
                                        US 2001-840637
                                                             20010423
                       CIP of
                       CIP of
                                        US 2001-916757
                                                             20010727
                       CIP of
                                       US 2002-128208
                                                             20020423
                                       US 2002-131509
                       CIP of
                                                             20020423
                       CIP of
                                       US 2002-131511
                                                             20020423
                        CIP of
                                       US 2002-131568
                                                             20020423
                        CIP of
                                       US 2002-159587
                                                             20020530
                                       US 2002-277358
                                                             20021022
     WO 2004037187 A2
                                       WO 2003-US33446
                                                             20031022
PRIORITY APPLN. INFO: US 2001-285884P
                                          20010423; US
                                       20000727; US
                     2000-628735
                      2001-840637
                                       20010423; US
                                       20010727; US
                      2001-916757
                      2002-128208
                                       20020423; US
                                       20020423; US
                      2002-131509
                                       20020423; US
                      2002-131511
                      2002-131568
                                       20020423; US
                     2002-159587
                                       20020530; US
                     2002-277358
                                       20021022; US
                     2002-277298
                                       20021022; US
                     2002-277320
                                       20021022; US
                     2002-277356
                                       20021022; US
                      2002-277362
                                       20021022; US
                     2002-277673
                                       20021022; US
                      2003-364983
                                       20030212
AN
     2003-899131 [82]
                       WPIDS
     2002-315278 [35]; 2003-058682 [05]; 2003-058683 [05]; 2003-067606
CR
     [06]; 2003-075604 [07]; 2003-140141 [13]; 2003-606116 [57];
     2003-754943 [71]; 2003-830575 [77]; 2003-830978 [77]; 2003-830979
     [77]; 2004-032631 [03]; 2004-059437 [06]; 2004-069282 [07];
     2004-542624 [52]; 2004-551748 [53]; 2004-652054 [63]; 2004-708482
     [69]; 2005-434341 [44]; 2005-457494 [46]
     US2003185901 A UPAB: 20050720
AB
     NOVELTY - Treating subject with mucosal, serosal, respiratory,
     circulatory, or musculo-skeletal condition comprises contacting an
     area of the subject having the condition with nano-crystalline
     metal-containing compound.
          ACTIVITY - Antibacterial; Antiinflammatory;
     Immunosuppressive; Virucide; Hemostatic; Cytostatic; Antitubercular;
     Tuberculostatic; Anti-arteriosclerotic; Antiarthritic; Respiratory;
     Anti-HIV; Fungicide.
          MECHANISM OF ACTION - None given.
          USE - For treating subject with mucosal, serosal, respiratory,
     circulatory, or musculo-skeletal condition.
          ADVANTAGE - The invention prevents the spread of microbes within
     a building. It has less toxic action, e.g. nitrate or sulfadiazine.
          DESCRIPTION OF DRAWING(S) - The figure shows a schematic view of
     the deposition system.
          Deposition system 100
          Vacuum chamber 110
          Energy source 120
          Beam of energy 122
     Target 130
          Causing material 132
       Substrate 140
     Surface 142
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Dwg.0/9

L22 ANSWER 19 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN ACCESSION NUMBER: 2003-830979 [77] WPIDS 2002-315278 [35]; 2003-058682 [05]; 2003-058683 [05]; CROSS REFERENCE: 2003-067606 [06]; 2003-075604 [07]; 2003-140141 [13]; 2003-606116 [57]; 2003-754943 [71]; 2003-830575 [77]; 2003-830978 [77]; 2003-899131 [82]; 2004-032631 [03]; 2004-059437 [06]; 2004-069282 [07]; 2004-542624 [52]; 2004-551748 [53]; 2004-652054 [63]; 2004-708482 [69]; 2005-434341 [44]; 2005-457494 [46] C2003-234116 DOC. NO. CPI: Treatment of a condition e.g. bacterial condition, TITLE: microbial condition and inflammatory condition, involves contacting the condition with solution containing atomically disordered, nanocrystalline metal-containing compound. B04 B06 B07 C03 D21 D22 P34 DERWENT CLASS: BURRELL, R E; GILLIS, S H; LAM, K; MOXHAM, P H; INVENTOR(S): NAYLOR, A G; SCHECHTER, P; STILES, J A R; WRIGHT, J B; YIN, H Q (NUCR-N) NUCRYST PHARM CORP; (BURR-I) BURRELL R E; PATENT ASSIGNEE(S): (GILL-I) GILLIS S H; (LAMK-I) LAM K; (MOXH-I) MOXHAM P H; (NAYL-I) NAYLOR A G; (SCHE-I) SCHECHTER P; (WRIG-I) WRIGHT J B; (YINH-I) YIN H Q COUNTRY COUNT:

PATENT INFORMATION:

PATENT NO	KIND DATE	WEEK	LA	PG
0000100070		·		
US 2003180379	A1 20030925	•		2
EP 1575552	A2 20050921	(200562)	EN	

R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
us 2003180379	A1 CIP of CIP of CIP of CIP of CIP of CIP of	US 2000-628735 US 2001-840637 US 2001-916757 US 2002-128208 US 2002-131509 US 2002-131511 US 2002-277673	20000727 20010423 20010727 20020423 20020423 20020423 20021022
EP 1575552	A2	EP 2003-781362 WO 2003-US33446	20031022 20031022

FILING DETAILS:

PATENT NO	KIND	PATENT NO
EP 1575552	A2 Based on	WO 2004037187
PRIORITY APPLN.	INFO: US 2002-277673 2000-628735 2001-840637 2001-916757	20021022; US 20000727; US 20010423; US 20010727; US

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2002-128208
                  20020423; US
2002-131509
                  20020423; US
2002-131511
                  20020423; US
2002-277298
                  20021022; US
                  20021022; US
2002-277320
2002-277356
                  20021022; US
2002-277358
                  20021022; US
                  20021022; US
2002-277362
2003-364983
                  20030212
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AN 2003-830979 [77] WPIDS

CR 2002-315278 [35]; 2003-058682 [05]; 2003-058683 [05]; 2003-067606 [06]; 2003-075604 [07]; 2003-140141 [13]; 2003-606116 [57]; 2003-754943 [71]; 2003-830575 [77]; 2003-830978 [77]; 2003-899131 [82]; 2004-032631 [03]; 2004-059437 [06]; 2004-069282 [07]; 2004-542624 [52]; 2004-551748 [53]; 2004-652054 [63]; 2004-708482 [69]; 2005-434341 [44]; 2005-457494 [46] AB US2003180379 A UPAB: 20050928

NOVELTY - Treatment of a subject having a condition e.g. bacterial condition, microbial condition and inflammatory condition, involves contacting an area of the subject having the condition with a solution containing an atomically disordered, nanocrystalline metal-containing compound.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:

- (1) a solution, comprising the atomically disordered, nanocrystalline metal-containing compound; and a solvent for the metal-containing compound. The metal containing compound is at least partially dissolved in the solvent (preferably water);
- (2) an aerosol comprising a nanocrystalline, metal-containing compound;
- (3) an aerosol comprising an atomically disordered, metal-containing a compound; and
- (4) a method (M1) of treating a subject having a condition e.g. bacterial condition, microbial condition and inflammatory condition, involving contacting an area of the subject having the condition with the atomically disordered, crystalline metal-containing compound by injecting a solution containing the nanocrystalline metal-containing compound.

ACTIVITY - Dermatological; Antibacterial;
Antiinflammatory; Fungicide; Virucide; Immunosuppressive; Cytostatic;
Vulnerary; Insecticide; Antiseborrheic; Antipsoriatic;
Ophthalmological; Uropathic; Antipruritic; Respiratory-Gen.;
Antiasthmatic; Antitubercular; Tuberculostatic; CNS-Gen.;
Antiarteriosclerotic; Endocrine-Gen.; Vasotropic; Cardiovascular-Gen.;
Anti-HIV; Osteopathic; Antiarthritic; Antirheumatic; Gynecological;
Immunomodulator; Gastrointestinal-Gen.; Antiulcer.

The antipsoriatic activity of nanocrystalline silver

(a) was tested by using a female (58 year old) with psoriatic plaques.

(a) Was deposited on sheets of high density polyethylene (HDPE) using a vapor deposition process. Two sheets of this coated HDPE were laminated together around a core of non-woven rayon polyester. A piece (50 multiply 50 mm) of this composite material was saturated with water and placed centrally on a one and a half year old (150 multiply 100 mm) psoriatic plaque on the patient's flank. The nanocrystalline silver coated material was covered with a piece of low moisture vapor transmission thin polymer film. The polymer sheet extended 50 mm beyond the nanocrystalline silver coated HDPE to provide control data regarding occlusion of the psoriatic plaque. The dressing was removed after three days. There was no discernible change in the plaque at this time. Two days later the area that was

covered with the nanocrystalline **silver** had the appearance of normal skin while the rest of the plaque was still rough and unchanged including the untreated.

MECHANISM OF ACTION - Apoptosis inducer; Matrix metalloproteinases modulator.

USE - The method is used for treating a condition e.g. skin conditions and integument conditions (e.g. bacterial, microbial, inflammatory, fungal, viral, autoimmune, idiopathic, noncancerous growths, cancerous conditions, burn, eczema, erythroderma, an insect bite, mycosis fungoides, pyoderma gangrenosum, eythrema multiforme, rosacea, onychomyocosis, acne, psoriasis, Reiter's syndrome, pityriasis rubra pilaris, hyperpigmentation, vitiligo, hypertropic scarring, keloid, lichen planus, age related skin disorders and hyperproliferative variants of the disorders of keratinization), respiratory condition (e.g. viral respiratory conditions, asthma, emphysema, bronchitis, pulmonary edema, acute respiratory distress syndrome, bronchopulmonary dysplasia, pulmonary fibrosis, pulmonary atelectasis, tuberculosis, pneumonia, sinusitis, pharyngitis, mucositis, stomatitis, chronic obstructive pulmonary disease, bronchiectasis, lupus pneumonitis and cystic fibrosis), musculo-skeletal condition (e.g. tendonitis, osteomyelitis, fibromyalgia, bursitis and arthritis), circulatory condition (e.g. fungal circulatory conditions, arteriosclerosis, septicemia, leukemia, ischemic vascular disease, lymphangitis and atherosclerosis), cancer (e.g. tumors and hematologic malignancies), mucosal conditions and serosal conditions (e.g. pericarditis, Bowen's disease, stomatitis, prostatitis, sinusitis, digestive disorders, toxic epidermal necrolysis syndrome, Stevens Johnson syndrome, common cold, ear infections, sore throat, sexually transmitted diseases, inflammatory bowel disease, colitis, hemorrhoids, thrush, dental conditions, oral conditions, conjunctivitis, and periodontal conditions) (all claimed). Also for treating skin aging, keratoconus, restenosis, osteoarthritis, rheumatoid arthritis, degenerative joint disease, bone disease, wounds, hypovolemic shock, epidermolysis bullosa, scleritis, vascular leakage syndrome, collagenase induced disease, adhesions of the peritoneum, strictures of the esophagus or bowel, cachexia, HIV-infection and cardiovascular conditions, esophageal ulcer, gastric ulcer, duodenal ulcer, espohagitis, gastritis, enteritis, enterogastric intestinal hemorrhage and sexually transmitted disease (e.g. syphilis, gonorrhea, herpes, genital warts and chlamydia).

ADVANTAGE - The method induces apoptosis or modulates matrix metalloproteinases at the area of the subject. Dwg.0/9

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L22 ANSWER 20 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
ACCESSION NUMBER:
                      2003-830978 [77]
                                        WPIDS
                      2002-315278 [35]; 2003-058682 [05]; 2003-058683 [05];
CROSS REFERENCE:
                      2003-067606 [06]; 2003-075604 [07]; 2003-140141 [13];
                      2003-606116 [57]; 2003-754943 [71]; 2003-830575 [77];
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                      2004-059437 [06]; 2004-069282 [07]; 2004-542624 [52];
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                      2005-434341 [44]; 2005-457494 [46]
                      C2003-234115
DOC. NO. CPI:
TITLE:
                      Use of free standing powder of a nanocrystalline
                      metal-containing compound for the treatment of e.g.
                      burns, acne, arteriosclerosis, asthma, psoriasis,
                      cancer, hemorrhoids, colitis and viral, fungal and
                      bacterial infections.
```

DERWENT CLASS:

B04 B06 C03 D21 D22

INVENTOR(S):

BURRELL, R E; GILLIS, S H; LAM, K; MOXHAM, P H; NAYLOR, A G; SCHECHTER, P; STILES, J A R; WRIGHT, J

B; YIN, H Q

PATENT ASSIGNEE(S):

(BURR-I) BURRELL R E; (GILL-I) GILLIS S H; (SCHE-I)

SCHECHTER P; (NUCR-N) NUCRYST PHARM CORP

COUNTRY COUNT: 10

PATENT INFORMATION:

PAT	CENT	ИО			KII	1D	DATI	Ξ	V	VEE	<		LA	I	?G							
	200								•		•			41								
WO	200	403	718	7	A2	20	040	506	(20	0043	30)	EN	1									
	RW:	ΑT	ΒE	BG	CH	CY	CZ	DΕ	DK	EΑ	$\mathbf{E}\mathbf{E}$	ES	FI	FR	GB	GH	GM	GR	HU	ΙE	IT	ΚĒ
		LS	LU	MC	MW	ΜZ	NL	OA	PT	RO	SD	SE	SI	SK	\mathtt{SL}	SZ	TR	TZ	UG	ZM	ZW	
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		NZ	OM	PG	PH	PL	PT	RO	RU	SC	SD	SE	SG	SK	\mathtt{SL}	SY	TJ	TM	TN	TR	TT	TZ
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EP	157	5552	2		A2	20	050	921	(20	005	52)	EN	1									
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		LV	MC	MK	NL	PT	RO	SE	SI	SK	${\tt TR}$											

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION			
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	CIP of	US 2002-128208	20020423		
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	CIP of	US 2002-131511	20020423		
	CIP of	US 2002-131568	20020423		
	CIP of	US 2002-159587	20020530		
		US 2002-277298	20021022		
WO 2004037187	A2	WO 2003-US33446	20031022		
EP 1575552	A2	EP 2003-781362	20031022		
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FILING DETAILS:

PATENT NO	KIND	PATENT NO
EP 1575552	A2 Based on	WO 2004037187
PRIORITY APPLN.	INFO: US 2002-277298 2000-628735 2001-840637 2001-916757 2002-128208 2002-131509 2002-131511 2002-131568 2002-159587 2002-277320 2002-277356 2002-277358	20021022; US 20000727; US 20010423; US 20010727; US 20020423; US 20020423; US 20020423; US 20020423; US 20020530; US 20021022; US 20021022; US 20021022; US

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2002-277362 20021022; US
2002-277673 20021022; US
2003-364983 20030212
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AN 2003-830978 [77] WPIDS
CR 2002-315278 [35]; 2003-058682 [05]; 2003-058683 [05]; 2003-067606 [06]; 2003-075604 [07]; 2003-140141 [13]; 2003-606116 [57]; 2003-754943 [71]; 2003-830575 [77]; 2003-830979 [77]; 2003-899131 [82]; 2004-032631 [03]; 2004-059437 [06]; 2004-069282 [07]; 2004-542624 [52]; 2004-551748 [53]; 2004-652054 [63]; 2004-708482 [69]; 2005-434341 [44]; 2005-457494 [46]
AB US2003180378 A UPAB: 20050928

NOVELTY - Treatment of diseases e.g. autoimmune conditions involves injecting or inhaling a free standing powder of a nanocrystalline metal-containing compound.

ACTIVITY - Antimicrobial; Antibacterial; Anti-inflammatory; Fungicide; Immunosuppressive; Cytostatic; Dermatological; Vulnerary; Antipsoriatic; Antiasthmatic; Respiratory-Gen.; Tuberculostatic; Auditory; Ophthalmological; Antiarteriosclerotic; Gastrointestinal-Gen.; Antiseborrheic; Uropathic; Antipruritic; Antitubercular; CNS Gen.; Antiarthritic; Vasotropic; Virucide.

The antiinflammatory activity of nanocrystalline derived silver solution (S1) (containing 400 ppm of Ag) was evaluated in rats. Pseudomonas aeruginosa (strain 5888) suspension (400 mu 1) was intrathecally administered into the bronchi of each rat. A solution of silver nitrate (400 ppm) in deionized water was used as control. The rats were then dosed with (S1) through nebulizer for 2 - 2.5 hours. The rats were again dosed with (S1) 3 times a day for additional 1.5 days. The lungs from sacrificed rats were histopathologically analyzed. The lungs were normal to slightly inflamed/moderately to severely inflamed in rats treated with (S1)/control solution respectively. The results showed that (S1) had pulmonary anti-inflammatory activity.

MECHANISM OF ACTION - Microbial growth inhibitor. The microbial growth inhibitory efficacy of a silver solution derived from Aticoat (RTM; burn dressing) was evaluated against Pseudomonas aeruginosa (A). Mueller-Hinton agar plates streaked with (A) were exposed to nebulized silver solution. The plates were then incubated at 35 deg. C for 16 hours. In the viability testing from the plates exposed to silver solution (370 mg/ml) no re-growth occurred as compared to the control plates exposed to silver nitrate solution.

USE - For the treatment of bacterial condition, microbial condition, inflammatory condition, fungal condition, viral condition, autoimmune condition, idiopathic condition, noncancerous growth, cancerous condition, skin condition, or integument condition (e.g. burn, eczema, erythroderma, insect bite, mycosis fungoides, pyoderma gangrenosum, eythrema multiforme, rosacea, onychomyocosis, acne, psoriasis, Reiter's syndrome, pityriasis rubra pilaris, hyperpigmentation, vitiligo, hypertropic scarring, keloid, lichen planus, age related skin disorders and hyperproliferative variants of the disorders of keratinization), a respiratory condition (e.g. lupus pneumonitis, asthma, emphysema, bronchitis, pulmonary edema, acute respiratory distress syndrome, bronchopulmonary dysplasia, pulmonary fibrosis, pulmonary atelectasis, tuberculosis, pneumonia, sinusitis, pharyngitis, mucositis, chronic obstructive pulmonary disease, bronchiectasis, and cystic fibrosis), musculo-skeletal condition (e.g. tendonitis, osteomyelitis, fibromyalgia, bursitis and arthritis), a circulatory condition (e.g. arteriosclerosis, septicemia, leukemia,

ischemic vascular disease, lymphangitis and atherosclerosis), cancer (e.g. tumors and hematologic malignancies), mucosal conditions and serosal conditions (e.g. pericarditis, Bowen's disease, prostatitis, sinusitis, digestive disorders, toxic epidermal necrolysis syndrome, Stevens Johnson syndrome, cystic fibrosis, bronchitis, pneumonia, pharyngitis, common cold, ear infections, sore throat, sexually transmitted diseases, inflammatory bowel disease, colitis, hemorrhoids, thrush, dental conditions, oral conditions, conjunctivitis, and periodontal conditions) (all claimed). In industrial applications to reduce and prevent microbial growth on industrial surfaces e.g. heating pipes and furnace filters, and to prevent spread of microorganisms e.g. heating and air circulation systems within building.

ADVANTAGE - The metal containing materials enhance therapeutic efficacy of the dry powder formulations by forming metastable high levels of metal hydroxide species, which provide therapeutic properties directly or indirectly; and by releasing cluster of metals. The dry powder formulations can efficiently treat variety of conditions by facilitating access of the metals to remote areas. The method induces apoptosis and modulates matrix metalloproteinases. Dwg.0/9

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L22 ANSWER 21 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
                      2003-830575 [77]
                                         WPIDS
ACCESSION NUMBER:
CROSS REFERENCE:
                      2002-315278 [35]; 2003-058682 [05]; 2003-058683 [05];
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                      2003-830979 [77]; 2003-899131 [82]; 2004-032631 [03];
                      2004-059437 [06]; 2004-069282 [07]; 2004-542624 [52];
                      2004-551748 [53]; 2004-652054 [63]; 2004-708482 [69];
                      2005-434341 [44]; 2005-457494 [46]
                      C2003-233970
DOC. NO. CPI:
TITLE:
                      Treatment of subject, e.g. human, having, e.g.
                      bacterial conditions, microbial conditions, by
                      contacting with composition comprising carrier, and
                      atomically disordered, nanocrystalline
                      metal-containing compound.
                      B04 B06 C03 D21 D22
DERWENT CLASS:
                      BURRELL, R E; GILLIS, S H; LAM, K; MOXHAM, P H;
INVENTOR(S):
                      NAYLOR, A G; SCHECHTER, P; STILES, J A R; WRIGHT, J
                      B; YIN, H Q
                      (BURR-I) BURRELL R E; (GILL-I) GILLIS S H; (LAMK-I)
PATENT ASSIGNEE(S):
                      LAM K; (MOXH-I) MOXHAM P H; (NAYL-I) NAYLOR A G;
                      (SCHE-I) SCHECHTER P; (WRIG-I) WRIGHT J B; (YINH-I)
                      YIN H Q; (NUCR-N) NUCRYST PHARM CORP
COUNTRY COUNT:
                      107
PATENT INFORMATION:
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PATENT NO
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                                       LA
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US 2003170314
               A1 20030911 (200377)*
                                          41
               A2 20040506 (200430) EN
WO 2004037187
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EP 1575552 A2 20050921 (200562) EN
R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU
LV MC MK NL PT RO SE SI SK TR

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION				
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WO 2004037187 EP 1575552	A2 A2	US 2002-277356 WO 2003-US33446 EP 2003-781362 WO 2003-US33446	20021022 20031022 20031022 20031022			

FILING DETAILS:

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[69]; 2005-434341 [44]; 2005-457494 [46] AB US2003170314 A UPAB: 20050928					
AB US2003170314 A UPAB: 20050928					2004-700402
	סמ		=	94 [40]	
NOVELLE - A subject having a condition is treated by contacting	AD			ition is trantal him	contacting :
area of the subject with a composition comprising carrier, and a					

NOVELTY - A subject having a condition is treated by contacting an area of the subject with a composition comprising carrier, and an atomically disordered, nanocrystalline metal-containing compound in the carrier.

ACTIVITY - Vulnerary; Dermatological; Antiseborrheic; Antipsoriatic; Antinflammatory; Ophthalmological; Uropathic; Antipruritic; Antiasthmatic; Respiratory-Gen.; Antiarthritic; Antiarteriosclerotic; Antibacterial; Immunosuppressive; Cytostatic; Virucide; Gastrointestinal-Gen.; Vasotropic; Fungicide. MECHANISM OF ACTION - None given.

USE - The invention is used for the treatment of a subject, e.g. human or animal, having a condition, e.g. bacterial conditions, microbial conditions, inflammatory conditions, fungal conditions, viral conditions, autoimmune conditions, idiopathic conditions, noncancerous growths, or cancerous conditions. The condition comprises

a skin condition, e.g. burn, eczema, erythroderma, insect bite, mycosis fungoides, pyoderma gangrenosum, eythrema multiforme, rosacea, onychomyocosis, acne, psoriasis, Reiter's syndrome, pityriasis rubra pilaris, hyperpigmentation, vitiligo, hypertropic scarring, keloid, lichen planus, age related skin disorders, or hyperproliferative variants of the disorders of keratinization. The condition comprises a respiratory condition, e.g. asthma, emphysema, bronchitis, pulmonary edema, acute respiratory distress syndrome, bronchopulmonary dysplasia, pulmonary fibrosis, pulmonary atelectasis, tuberculosis, pneumonia, sinusitis, pharyngitis, mucositis, chronic obstructive pulmonary disease, bronchiectasis, lupus pneumonitis, or cystic fibrosis. The condition comprises a musculo-skeletal condition, e.g. tendonitis, osteomyelitis, fibromyalgia, bursitis, or arthritis. The condition comprises a circulatory condition, e.g. arteriosclerosis, septicemia, leukemia, ischemic vascular disease, lymphangitis, or atherosclerosis. The condition comprises cancer, e.g. tumors, or hematologic malignancies. The condition comprises pericarditis, Bowen's disease, prostatitis, sinusitis, digestive disorders, toxic epidermal necrolysis syndrome, Stevens Johnson syndrome, cystic fibrosis, bronchitis, pneumonia, pharyngitis, common cold, ear infections, sore throat, sexually transmitted disease, inflammatory bowel disease, colitis, hemorrhoids, thrush, dental conditions, oral conditions, conjunctivitis, or periodontal conditions. (All claimed)

ADVANTAGE - The invention induces apoptosis, modulates matrix metalloproteinases, and modulates cytokines.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic view of the deposition system.

Vacuum chamber 110 Energy source 120

Target 130

Substrate 140 Material 132 Dwg.1/9

L22 ANSWER 22 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 2003-629637 [60] WPIDS

DOC. NO. CPI: C2003-172222

TITLE: Production of refractory article, e.g. black

refractory articles, involves producing a mix of

particulate pitch, ceramic filler and

water, forming spray dried mix into intermediate product, and heating the intermediate product.

DERWENT CLASS: E36 L02
INVENTOR(S): JUMA, K

PATENT ASSIGNEE(S): (CARB-N) CARBON APPL TECHNOLOGY LTD; (JUMA-I) JUMA K

COUNTRY COUNT: 103

PATENT INFORMATION:

PATENT NO KIND DATE WEEK LA PG ______ GB 2384774 A 20030806 (200360)* 12 WO 2003064347 A1 20030807 (200361) EN RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT SD SE SI SK SL SZ TR TZ UG ZM ZW W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

AU 2003207005 A1 20030902 (200422)

EP 1470092 A1 20041027 (200471) EN

R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU

LV MC MK NL PT RO SE SI SK TR

US 2005140035 A1 20050630 (200543)

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
GB 2384774	 А	GB 2002-2311	20020201
WO 2003064347	A1	WO 2003-GB382	20030130
AU 2003207005	A1	AU 2003-207005	20030130
EP 1470092	A1	EP 2003-704745	20030130
		WO 2003-GB382	20030130
US 2005140035	A1	WO 2003-GB382	20030130
		US 2005-503195	20050218

FILING DETAILS:

PATEN'	r no	KINI)		E	PATENT NO
AU 200	03207005	A1 E	 Based	on	wo	2003064347
EP 14'	70092	Al E	Based	on	WO	2003064347

PRIORITY APPLN. INFO: GB 2002-2311 20020201

AN 2003-629637 [60] WPIDS

2384774 A UPAB: 20030919 AB

NOVELTY - A refractory article is produced by:

- (1) producing a mix of particulate pitch, ceramic filler and water;
 - (2) spray drying the mix;
 - (3) forming the spray dried mix into an intermediate product; and
- (4) heating the intermediate product to produce a refractory article comprising graphitizable carbon bond.

USE - The invention is used for producing refractory articles (claimed), particularly black refractory articles.

ADVANTAGE - The invention produces finished articles having consistent quality. It can be carried out continuously and can be automated. The employed particulate pitch is less hazardous than conventional tar pitch or phenolic resin, and the spray drying process is more controllable than the drying processes involved in conventional techniques. The granules also have a longer shelf life than conventional tar pitch/phenolic resin mixes. The obtained graphitizable carbon bond has better oxidation resistance and superior thermal shock resistance than glassy carbon obtained from phenolic resin.

Dwg.0/0

L22 ANSWER 23 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 2002-393598 [42]

WPIDS

CROSS REFERENCE:

2004-328532 [30] C2002-110619

DOC. NO. CPI: TITLE:

Composite material useful for external and internal association with living body comprises component having specified surface area and beneficial agent associated with at least one portion of surface of

component.

DERWENT CLASS:

B07

INVENTOR(S): JOSHI, A V

PATENT ASSIGNEE(S): (CERA-N) CERAMATEC INC; (TECH-N) TECHNOLOGY HOLDING

LLC

COUNTRY COUNT: 98

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG

WO 2002013787 A1 20020221 (200242)* EN 18

RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW

MZ NL OA PT SD SE SL SZ TR TZ UG ZW

W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU

ZA ZW

AU 2001085045 A 20020225 (200245)

EP 1309313 A1 20030514 (200333) EN

R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

US 6602523 B1 20030805 (200353)

JP 2004506004 W 20040226 (200416) 25

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2002013787	A1	WO 2001-US25831	20010817
AU 2001085045	Α	AU 2001-85045	20010817
EP 1309313	A1	EP 2001-964158	20010817
		WO 2001-US25831	20010817
US 6602523	B1	US 2000-641120	20000817
JP 2004506004	W	WO 2001-US25831	20010817
		JP 2002-518934	20010817

FILING DETAILS:

PA	TENT NO	KII	ND	 I	PATENT NO
	2001085045 1309313		Based Based	 	2002013787 2002013787
	2004506004		Based	 	2002013707

PRIORITY APPLN. INFO: US 2000-641120 20000817

AN 2002-393598 [42] WPIDS

CR 2004-328532 [30]

AB WO 200213787 A UPAB: 20040511

NOVELTY - A composite material (I) comprises either a first component (C1) having a surface area greater than approx. 10 M2/g and a first beneficial agent (B1) associated with at least a portion of the surface area of C1, or B1 having a surface area greater than approx. 10 M2/g and second beneficial agent (B2) associated with at least a portion of the surface area of B1.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a process of fabricating (I) involving associating B1/B2 with at least a portion of the surface of C1/B1 and milling B1/B2 and C1/B1.

USE - For external and internal association with a living body (claimed). Also useful for topical, oral and systemic administration of a medicament, pharmaceutical and chemical agents.

ADVANTAGE - C1 serves to increase the effective surface area of B1 relative to B1 unassociated with C1, therefore enabling the composite materials to increase bioavailability and activity of beneficial agents.

DESCRIPTION OF DRAWING(S) - The figure represents a fabricated composite material.

composite material 10 first component 12

surface 14

first beneficial agent. 16

Dwg.1a/5

L22 ANSWER 24 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER:

2003-105098 [10] WPIDS

DOC. NO. NON-CPI:

DOC. NO. CPI:

N2003-083898

C2003-026684

TITLE:

Architectural material, especially in the form of tiles or bricks, comprises a terracotta surface optically modified with an inorganic interference

coating.

DERWENT CLASS:

L02 P42 Q41 Q44 Q45

INVENTOR(S):

MACQUART, P

PATENT ASSIGNEE(S):

(COMP) SAINT-GOBAIN MATERIAUX CONSTR

COUNTRY COUNT:

PATENT INFORMATION:

PATENT NO	KIND DATE	WEEK	LA PG
FR 2824321	A1 20021108	(200310)*	17

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
FR 2824321	A1	FR 2001-5864	20010502

PRIORITY APPLN. INFO: FR 2001-5864

20010502

2003-105098 [10] WPIDS AN

AB 2824321 A UPAB: 20030211

> NOVELTY - Architectural material comprises a terracotta surface optically modified with an inorganic interference coating.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a process for producing a material comprising a terracotta surface optically modified with an inorganic interference coating, comprising depositing the coating on the surface by liquid, powder or gas pyrolysis or cathodic sputtering.

USE - The material, especially in the form of tiles or bricks, is useful for lining walls or floors.

ADVANTAGE - The coating provides a decorative interference color finish and may also impart impermeability to liquids and/or antifouling, antifungal, bactericidal or algicidal effects and/or low emissivity. Dwg.0/0

L22 ANSWER 25 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 2002-353595 [39] WPIDS

DOC. NO. NON-CPI:

N2002-277797

DOC. NO. CPI:

C2002-100564

TITLE: Surgical or therapeutic equipment, especially

implant, surgical instruments and accessories, has

modified surface to reduce adhesion of bacteria.

A96 D22 P32 P34 DERWENT CLASS: INVENTOR(S): SPEITLING, A W

PATENT ASSIGNEE(S): (STRY-N) STRYKER TRAUMA GMBH; (SPEI-I) SPEITLING A W

COUNTRY COUNT:

PATENT INFORMATION:

PATENT NO	KIND DATE	WEEK	LA	PG
DE 20020649 US 2002099449	U1 20020411 A1 20020725	•	1	5

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
DE 20020649	U1	DE 2000-20020649	20001206
US 2002099449	A1	US 2001-5054	20011203

PRIORITY APPLN. INFO: DE 2000-20020649 20001206

WPIDS AN 2002-353595 [39]

AΒ DE 20020649 U UPAB: 20020621

> NOVELTY - Surgical or therapeutic equipment, especially implant and surgical instruments and accessories with a surface to be kept sterile for use, has a modified surface that reduces the adhesion of bacteria to the surface, makes this more difficult and/or has an antibacterial action.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for bone cement or other fluid substances for medical-technical applications containing a substance releasing antibacterial ions, especially silver ions.

USE - The products are surgical or therapeutic equipment, especially implant and surgical instruments and accessories (all claimed).

ADVANTAGE - Although equipment of this type is sterilized before use, these is still a risk of bacterial infection for the patent as the result of handling before and during use. The modified surface reduces this risk. Dwg. 0/0

L22 ANSWER 26 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 2002-029370 [04] WPIDS

DOC. NO. NON-CPI: N2002-022778 C2002-008441 DOC. NO. CPI:

Photocatalyst film for purification and deodorizing TITLE:

> air, has catalyst layer containing polycrystal spherical titanium dioxide particle having preset mean particle diameter, on base material surface.

DERWENT CLASS: D15 D22 E32 J04 P34 PATENT ASSIGNEE(S): (TOKE) TOSHIBA KK

COUNTRY COUNT:

PATENT INFORMATION:

PATENT NO KIND DATE WEEK LA PG _____ JP 2001232190 A 20010828 (200204)*

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
JP 2001232190	A	JP 2000-44426	20000222

PRIORITY APPLN. INFO: JP 2000-44426 20000222

2002-029370 [04] WPIDS AN JP2001232190 A UPAB: 20020117 AB

> NOVELTY - A catalyst layer containing titanium dioxide (TiO2) as main component on a base material surface of photocatalyst film. The TiO2 contained in the catalyst layer is a polycrystal spherical particle having mean particle diameter of 10-200 mu m.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for manufacture of photocatalyst film which involves baking raw material consisting of TiO2, forming spherical polycrystal TiO2 particle by spray drying method followed by coating polycrystal spherical particle on a substrate and forming photocatalyst film.

USE - For purification and deodorizing air, water purification and waste water treatment, antifouling resistant, antimicrobial and sterilization and fog prevention.

ADVANTAGE - The adsorption area of the photocatalyst film is increased, hence the photocatalytic reactivity is increased efficiently. Mass production of photocatalyst film is inexpensive. Dwg. 0/13

L22 ANSWER 27 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 2001-001512 [01]

WPIDS

DOC. NO. NON-CPI:

N2001-001241

DOC. NO. CPI:

C2001-000376

TITLE:

Titanium oxide film coated product such as air

cleaner and water purifier, contains

photocatalytically reactive titanium oxide film coating formed on the surface of the product by ion

plating method.

DERWENT CLASS: PATENT ASSIGNEE(S): D22 E32 G02 J04 P34 P73

(RICW) RICOH ELEMEX KK

COUNTRY COUNT:

PATENT INFORMATION:

PATENT NO	KI	ND DATE	WEEK	LA	PG
JP 2000176281	Α	20000627	(200101)*		6

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
JP 2000176281	A	JP 1998-353140	19981211

PRIORITY APPLN. INFO: JP 1998-353140 19981211

2001-001512 [01] WPIDS

AΒ JP2000176281 A UPAB: 20001230

NOVELTY - The titanium oxide film (13) having photocatalytic reactivity is coated on the surface of the product (11) by ion plating method.

USE - Titanium oxide film coated products is used as ornaments such as wrist watch, bracelet, necklace, as cutters such as surgical blades, scissors blade, cutter blade, shaver blade, knife edge cutter, scalpel, steering wheel or as tableware such as knife, fork and spoon. It can also be used for spectacle frame, air cleaner and water purifier.

ADVANTAGE - Titanium oxide film coated product has metallic layer, ceramic layer in between the product and the titanium oxide film. Therefore, it has excellent adhesive property and improved corrosion and weather resistance. Further coating of copper, silver or platinum layer brings antimicrobial, deodorizing and antifouling effects. High frequency output, bias voltage, temperature, film forming velocity are controlled, therefore the crystal structure of titanium oxide film is controllable. The thickness of titanium oxide film is controlled and the film has desired color tone when irradiated.

DESCRIPTION OF DRAWING(S) - The figure shows the titanium oxide film coated product.

Product 11

Titanium layer 12 Titanium oxide film 13

Titanium nitride layer 21

Dwg.3/8

L22 ANSWER 28 OF 29 JAPIO (C) 2006 JPO on STN

ACCESSION NUMBER:

1991-236962 JAPIO

TITLE:

SCREEN-PROCESSING METHOD

INVENTOR:

SUZUKI MASAYUKI; NISHIBAYASHI YOSHIBUMI; YAMAGUCHI

SANJI; SUZUKI TOSHIKAZU; NAKAJIMA EIGO

PATENT ASSIGNEE(S):

SUZUTORA SEISEN KOJO:KK

PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC	
JP 03236962	Α	19911022	Heisei	B41F015-34	

APPLICATION INFORMATION

STN FORMAT: JP 1990-32667 19900214 ORIGINAL: JP02032667 Heisei PRIORITY APPLN. INFO.: JP 1990-32667 19900214

SOURCE:

PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined

Applications, Vol. 1991

AN 1991-236962 JAPIO

PURPOSE: To eliminate the generation of static electricity to diminish AB the passing resistance of gas and liquid and to contrive to improve heat resistance, moisture resistance, weather resistance and chemical resistance by causing a metal to adhere in a thin film through sputtering after drying a screen made of synthetic fiber. CONSTITUTION: A sheet screen composed of synthetic fiber is heated to be dried to the moisture percentage of not more than 0.1%. Then, sputtering is applied to this screen and a metal such as simple metal, alloy, metallic oxide and metallic nitride is caused to adhere in a thin film with thickness of 100-10,000Å to the synthetic fiber constituting the screen. When antibacterial properties and mildew resistance are required, copper or copper alloy is used especially. Further, the size of a synthetic fiber filament used in the screen and the density and fabric weight of a woven fabric and nonwoven fabric

Searcher : Shears 571-272-2528

are set in the same way as those adopted heretofore according to an

intended purpose. When the nonwoven fabric is used as screen, however, the fabric weight of not more than 200g/m<SP>2</SP> is preferable. COPYRIGHT: (C)1991,JPO&Japio

L22 ANSWER 29 OF 29 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 1990-313686 [42] WPIDS

DOC. NO. CPI: C1990-135623

TITLE: Antibacterial compsn. with dielectric or

pyroelectric properties - containing finely divided

electroconductive particles in non-conducting

ceramic matrix.

DERWENT CLASS: L03 W02

INVENTOR(S): FRIEDERICH, K; JASCHINSKI, W; MARQUARDT, P; NIMTZ, G

PATENT ASSIGNEE(S): (FELU) FELDMUEHLE AG; (CERA-N) CERASIV GMBH

INNOVATIVES KERAMIKENG

COUNTRY COUNT: 15

PATENT INFORMATION:

PATENT NO	KIND DATE	WEEK	LA PG
	C 19901018 A 19910613		
RW: AT BE CH	DE DK ES FR	GB GR IT L	J NL SE
W: JP US EP 524925	A1 19930203	(199305)	GE 19
R: BE DE FR			
JP 05504649	W 19930715	(199333)	5
EP 524925	B1 19940706	(199426)	GE 9
R: BE DE FR	GB IT NL		
DE 59006382	G 19940811	(199431)	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
DE 3938890	С	DE 1989-3938890	19891124
EP 524925	A1	EP 1990-915451	19901030
		WO 1990-EP1935	19901030
JP 05504649	W	JP 1990-514433	19901030
		WO 1990-EP1935	19901030
EP 524925	B1	EP 1990-915451	19901030
		WO 1990-EP1935	19901030
DE 59006382	G	DE 1990-506382	19901030
		EP 1990-915451	19901030
		WO 1990-EP1935	19901030

FILING DETAILS:

PATENT NO	KIND	PATENT NO
EP 524925 JP 05504649 EP 524925 DE 59006382	Al Based on W Based on Bl Based on G Based on	WO 9108576 WO 9108576 WO 9108576 EP 524925 WO 9108576
	Based on	MO 31082/8

PRIORITY APPLN. INFO: DE 1989-3938890 19891124

AN 1990-313686 [42] WPIDS

AB DE 3938890 C UPAB: 19930928

A compsn. for producing a material with dielectric or pyroelectric properties includes finely divided, electrically conducting particles locked in a **ceramic** non-conducting matrix. The finely divided particles have a dia. which does not exceed 1 mm and are dispersed in a **ceramic** powder. The dispersion medium has a surface tension of no more than 0.0000035 N/mm and a dielectric constant greater than 6.

ADVANTAGE - The compsn. is simple to produce and is uniform in quality.

0/0

ABEQ JP 05504649 W UPAB: 19931119

Compsn. for producing a material with dielectric or pyroelectric properties has finely divided, electrically conducting particles locked in a **ceramic** non-conducting matrix. The particles have a dia. which does not exceed lmm and are dispersed in a **ceramic** powder. The dispersion medium has a surface tension of no more than 0.0000035 N/mm and a dielectric constant greater than 6.

ADVANTAGE - Simple to produce and uniform in quality.

ABEQ EP 524925 B UPAB: 19940817

Starting composition for the production of a sintered material having dielectric or pyroelectric properties, in which finely divided particles formed on an electrically conductive material are included in a, matrix consisting of non-conducting ceramic, without being in contact with one another, characterised in that A) finely divided particles (a) with a diameter not exceeding 1 micron and a powder (b) for the formation of the ceramic matrix are dispersed in a non-oxidatively acting dispersion medium (c) for the particles which has a surface tension not exceeding 35 x 10 power (-6) N/mm and a dielectric constant greater than 6. B) wherein the finely divided particles (a) consist of: I: one or several of the following indicated substances; platinum, gold, silver, palladium, tungsten, iridium, rhodium, molybdenum, nickel, silicon, carbide, molybdenum silicide, titanium boride, titanium carbonitride, zirconium carbonitride, hafnium carbonitride, the carbides, nitrides, carbonitrides and borides of vanadium, niobium, tantalum, chromium, molybdenum and tungsten as well as carbon black, or II: the finely divided particles (a) consist of merely one of the following indicated substances: titanium carbide,

titanium nitride, zirconium carbide, zirconium nitride, zirconium boride,

hafnium carbide, hafnium nitride, hafnium boride, powder (b) consists of aluminium oxide, zirconium dioxide, beryllium oxide, silicon dioxide, aluminium titanate, magnesium oxide, silicon nitride, aluminium nitride, mullite, steatite, spinel, cordierite or a mixture of these substances.

Dwg.0/0

FILE 'REGISTRY' ENTERED AT 14:58:13 ON 30 JAN 2006

L23 7675 SEA FILE=REGISTRY ABB=ON PLU=ON (ZIRCONIUM CARBIDE? OR CHROMIUM CARBIDE? OR TITANIUM CARBIDE?)/CN

L8	6	SEA FILE=REGISTRY ABB=ON PLU=ON (CARBIDE/CN OR "CARBIDE
		(C174-)"/CN OR "CARBIDE (C254-)"/CN OR "CARBIDE (C334-)"/CN
		OR "CARBIDE (C414-)"/CN OR "CARBIDE (C94-)"/CN)
L10	201	SEA FILE=REGISTRY ABB=ON PLU=ON CHROMIUM NITRIDE?/CN
L11	2123	SEA FILE=REGISTRY ABB=ON PLU=ON TITANIUM NITRIDE?/CN
L12	3	SEA FILE=REGISTRY ABB=ON PLU=ON L1 OR L2 OR L3
L13	2649	SEA FILE=REGISTRY ABB=ON PLU=ON L5 OR L10 OR L11 OR L7
		OR L8
L14	1959868	SEA FILE=HCAPLUS ABB=ON PLU=ON L12 OR COPPER OR CU OR ZN
		OR ZINC OR SILVER OR AG
L15	71792	SEA FILE=HCAPLUS ABB=ON PLU=ON L13 OR (CR OR CHROMIUM OR
		TI OR TITANIUM OR ZR OR ZIRCONIUM OR METAL) (5A) NITRIDE OR
		METAL (5A) CARBIDE
L24	14051	SEA FILE=HCAPLUS ABB=ON PLU=ON L14 AND (L15 OR (TIN OR
		ZRN OR CRN) (S) NITRIDE OR (ZR OR ZIRCONIUM OR CR OR
		CHROMIUM OR TI OR TITANIUM) (5A) CARBIDE)
L25	9624	SEA FILE=HCAPLUS ABB=ON PLU=ON L24 AND (SUBSTRATE OR
		ALLOY OR L4 OR STAINLESS STEEL OR CERAMIC OR PLASTIC)
L26	23	SEA FILE=HCAPLUS ABB=ON PLU=ON L25 AND (ANTIMICROB? OR
		ANTI(W) (BACTER? OR MICROB?) OR ANTIBACTER? OR MICROBIOCID?
		OR MICROBICID? OR BACTERICID? OR BACTERIOCID?)

L27 5 L26 NOT L19

L27 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 10 Oct 2005

ACCESSION NUMBER: 2005:1081673 HCAPLUS

TITLE: Adhesion properties of functionally gradient

diamond-like carbon nanocomposite films

AUTHOR(S): Narayan, Roger J.

CORPORATE SOURCE: School of Materials Science and Engineeing,

Georgia Institute of Techonology, Atlanta, GA,

30332-0245, USA

SOURCE: Adhesion Aspects of Thin Films (2005), 13-26.

Editor(s): Mittal, K. L. VSP: Zeist, Neth.

CODEN: 69HKD3; ISBN: 90-6764-421-8

DOCUMENT TYPE: Conference LANGUAGE: English

Diamond-like carbon (DLC) is an amorphous material with a high fraction of sp3-hybridized carbon atoms. DLC exhibits hardness, wear resistance and chemical inertness properties close to those of diamond. Unfortunately, DLC films delaminate due to internal compressive stress. This paper describes processing and characterization of functionally gradient diamond-like carbon-metal nanocomposite films on Ti-6Al-4V alloy, which is commonly used in biomedical and aerospace applications. Internal stresses in diamond-like carbon thin films were reduced via incorporation of elements that form carbides (e.g., silicon and titanium), as well as incorporation of elements that do not form carbides (e.g., copper and silver). These materials were produced using a novel pulsed laser deposition process that incorporates a multicomponent rotating target. In addition, functionally gradient DLCsilver and DLC-titanium films of approx. 1 µm thickness were deposited on Ti-6Al-4V alloy. Transmission electron microscopy of the DLC-metal nanocomposite films revealed that these films self-assembled into particulate or layered nanocomposite structures that possessed a high fraction of sp3-hybridized carbon atoms. Scratch testing demonstrated good adhesion of the DLC-metal nanocomposite films to Ti-6Al-4V substrates.

Nanoindentation testing of the DLC-metal nanocomposite films demonstrated that these films possessed high hardness and Young's modulus values of approx. 35 GPa and 350 GPa, resp. Wear testing using a CSM Linear Tribometer demonstrated wear lifetimes in excess of 300 000 cycles. These DLC-metal nanocomposite films can be optimized for specific medical applications; for example, DLC-silver nanocomposites have been shown to possess antimicrobial properties.

L27 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 03 Feb 2005

ACCESSION NUMBER: 2005:93810 HCAPLUS

DOCUMENT NUMBER: 142:181477

TITLE: Powder blends from VC and Ti for manufacture of

sintered knife blades

INVENTOR(S): Ryota, Kusanagi

PATENT ASSIGNEE(S): Akira, Hirai, Japan SOURCE: Eur. Pat. Appl., 9 pp.

SOURCE: Eur. Pat. Appl CODEN: EPXXDW

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA	PATENT NO.				KIND DATE			APPLICATION NO.					DATE			
EP	EP 1502967				A1 20050202			EP 2004-290527					20040226			
	R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR	, IT,	LI,	LU,	NL,	SE,	MC,
		PT,	ΙE,	SI,	LT,	LV,	FI,	RO,	MK,	CY	, AL,	TR,	BG,	CZ,	EE,	HU,
		SK,	HR													
US	2005	0256	55		A1		2005	0203		US :	2003-	6832	49		2	0031009
JP	2005	0482	76		A2		2005	0224		JP :	2003-	3934:	24		2	0031125
PRIORITY	Y APP	LN.	INFO	. :						KR :	2003-	5195	0	1	A 2	0030728

AB The sintered carbide alloy for manufacture of knife blades having high wear resistance, high hardness, and decreased sp. gr. contains 10-90% by weight of VC powder, and 10-90% of Ti or Ti-alloy powder for binder. The powder blend is packed into a mold, pressed to obtain a knife-blade preform, and heated for sintering at <1500°. The sintered knife blade has high hardness (Rockwell A-scale hardness ≥60) and sp. gr. ≤7 (comparable to that of steel). The starting powder blend optionally includes Ag at 0.3-3% as antibacterial addition, and Co at 2-10% as auxiliary binder to seal residual porosity after sintering.

IT **7440-22-4, Silver,** uses

RL: MOA (Modifier or additive use); USES (Uses)
(bactericide, composite knife blades containing; powder blends from vanadium carbide and Ti binder for

manufacture of sintered knife blades)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE

RE FORMAT

L27 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 21 May 1999

ACCESSION NUMBER: 1999:312861 HCAPLUS

DOCUMENT NUMBER: 130:341501

TITLE: Titanium-based sintered cutting blade materials

INVENTOR(S): Hirai, Akira

PATENT ASSIGNEE(S):

Japan

SOURCE:

Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DOCUMENT TYPE:

Patent

LANGUAGE:

Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

KIND DATE APPLICATION NO.

JP 11131171 PRIORITY APPLN. INFO.:

PATENT NO.

A2 19990518 JP 1997-329397 JP 1997-329397

19971023 19971023

The title sintered materials are obtained from compns. containing AB

≤150 µm-size Ti powder ≈80, ≤20 µm-size

alloy powder containing 60% Al and 40% V 6-8, ≤2 µm-size Fe powder ≈1, ≤2 μm-size Cr3C2 or TiC powder

≈10, and ≤2 μ m-size Ag powder 1-3%.

Resulting blades have good corrosion resistance, lightwt., long service life, and good antibacterial property.

L27 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 11 Nov 1998

ACCESSION NUMBER: 1998:716352 HCAPLUS

DOCUMENT NUMBER:

129:327294

TITLE:

Sintered knives with antibiotic effect

INVENTOR(S):

Hirai, Akira

PATENT ASSIGNEE(S): Japan

SOURCE:

Ger. Offen., 4 pp.

CODEN: GWXXBX

DOCUMENT TYPE:

Patent

LANGUAGE:

FAMILY ACC. NUM. COUNT: 1

German

PATENT INFORMATION:

PATENT NO.	KIND DATE		APPLICATION NO.		DATE		
DE 19818365	A1	19981029	DE 1998-19818365		19980424		
JP 10298611	A2	19981110	JP 1997-142877		19970425		
PRIORITY APPLN. INFO.:			JP 1997-142877 F	A	19970425		

- AB Kitchen knives and shears are prepared from Ti or Ti alloy containing TiC (5-50 weight% of the metal component) and Ag as antimicrobial component (0.1-10 weight% of the total). These utensils are especially useful for preventing mass food poisoning in schools. The knives are manufactured by pressure molding the powdered components at 1-15 t/cm2 and sintering under vacuum or inert gas at <1500°.
- 7440-22-4, Silver, biological studies IT RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); DEV (Device component use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)

(sintered knives with antibiotic effect)

L27 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN

Entered STN: 15 Oct 1998

ACCESSION NUMBER: 1998:653615 HCAPLUS

DOCUMENT NUMBER: 129:331761

TITLE: Antibacterial metal-resin laminates
INVENTOR(S): Okamoto, Kenji; Kizawa, Tatsuto
PATENT ASSIGNEE(S): Yodogawa Steel Works, Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10264297	A2	19981006	JP 1997-69335	19970324
PRIORITY APPLN. INFO.:			JP 1997-69335	19970324

AB Title laminates are prepared by applying heat-curable adhesives on metal plates, heating, and laminating resin films which contain antibacterial agents (0.05-30 parts per 100 parts resins) having average particle diameter ≤1 μm and comprising silicon carbide or silicon oxide 30-80, aluminum oxide 10-40, titanium oxide 9-30, and silver or copper ≤1 parts. The laminates may be thermally bonded without heat-curable adhesives. Thus, a 150 μm-thick vinyl chloride resin film containing 0.3% antibacterial agent, comprising silicon carbide 50, aluminum oxide 30, titanium oxide 29.99, and silver 0.01 parts, was laminated on a chromate-treated galvanized steel plate using polyester-based adhesive and heated at 199° to give a laminate having good antibacterial properties.

IT 7440-22-4, Silver, uses 7440-50-8,

Copper, uses

RL: BUU (Biological use, unclassified); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)

(antibacterial agent; preparation of antibacterial
metal-resin laminates)

(FILE 'MEDLINE, BIOSIS, EMBASE, WPIDS, CONFSCI, SCISEARCH, JICST-EPLUS, JAPIO' ENTERED AT 15:03:05 ON 30 JAN 2006)

L28 7523 SEA ABB=ON PLU=ON L24 AND (SUBSTRATE OR ALLOY OR STAINLESS STEEL OR CERAMIC OR PLASTIC)

L29 36 SEA ABB=ON PLU=ON L28 AND (ANTIMICROB? OR ANTI(W) (BACTER? OR MICROB?) OR ANTIBACTER? OR MICROBIOCID? OR MICROBICID?

OR BACTERICID? OR BACTERIOCID?)
L30 7 SEA ABB=ON PLU=ON L29 NOT L21
L31 7 DUP REM L30 (0 DUPLICATES REMOVED)

L31 ANSWER 1 OF 7 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 2005-221081 [23] WPIDS

CROSS REFERENCE: 2004-736792 [72]; 2005-039256 [04]; 2005-047040 [05];

2005-122438 [13]; 2005-743773 [76]

DOC. NO. NON-CPI: N2005-182172 DOC. NO. CPI: C2005-070554

TITLE: Medical device, useful e.g. for implantation in the uterus or fallopian tubes, comprises a body structure

having one or more surfaces having a plurality of nanostructured components associated with it.

DERWENT CLASS: A96 B04 B05 B07 D22 P31 P32

INVENTOR(S): ALFARO, A A; COLLIER, M D; DUBROW, R S; GERTNER, M E;

KRONENTHAL, R L; ROGERS, E J; SLOAN, L D

PATENT ASSIGNEE(S): (NANO-N) NANOSYS INC

COUNTRY COUNT:

109

PATENT INFORMATION:

PAT	CENT	ΝО			KI	1D 1	DAT	Ξ	7	VEE	Κ		LA	I	eG							
	200!								•					42								
	RW:	ΑT	BE	ВG	B₩	CH	CY	CZ	DE	DK	EΑ	EE	ES								IE SZ	
	W:	ΑE	• • •	AL	AM																CU IS	
		KE	KG	KP	KR	ΚZ	LC	LK	LR	LS	LT	LU	ΓΛ	MA	MD	MG	MK	MN	MW	MX	MZ TM	NA
		TR	TT	TZ	UΑ	ŬĠ	US	UZ	VC	VN	YU	ZA	z_{M}	ZW								

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
us 2005038498	Al Provisional Provisional Provisional Provisional CIP of Provisional CIP of CIP of CIP of	US 2003-463766P US 2003-466229P US 2003-468606P US 2003-468390P US 2003-661381 US 2004-549711P US 2004-792402 US 2004-828100 US 2004-833944 US 2004-840794 US 2004-902700	20030417 20030428 20030505 20030506 20030912 20040302 20040302 20040419 20040427 20040505 20040729
WO 2005084582	A1	WO 2005-US6807	20050301

PRIORITY APPLN.	INFO:	US 2004-902700	20040729; US
		2003-463766P	20030417; US
		2003-466229P	20030428; US
		2003-468606P	20030505; US
		2003-468390P	20030506; US
		2003-661381	20030912; US
		2004-549711P	20040302; US
		2004-792402	20040302; US
		2004-828100	20040419; US
		2004-833944	20040427; US
		2004-840794	20040505

AN 2005-221081 [23] WPIDS

CR 2004-736792 [72]; 2005-039256 [04]; 2005-047040 [05]; 2005-122438 [13]; 2005-743773 [76]

AB US2005038498 A UPAB: 20051125

NOVELTY - Medical device (I) comprises a body structure having one or more surfaces having a plurality of nanostructured components associated with it.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:

- (1) A device for creating an anastomosis in a patient by coupling a first vessel to a second vessel in an end-to-end or end-to-side anastomosis, the device comprising a tubular member comprising a plurality of nanostructured components associated with one or more surfaces of the tubular member;
 - (2) A method of treating a patient comprising contacting a region

of the patient with (I) comprising a surface and plurality of nanofibers associated with the surface; and

(3) A method of administering a drug compound to a body of a patient comprising providing a drug-eluting device comprising at least one surface, a plurality of nanofibers associated with the surface, and a drug compound associated with the plurality of nanofibers; introducing the drug-eluting device into a body of a patient; and delivering the drug compound into the body of the patient.

ACTIVITY - Antifouling; Vulnerary; Antimicrobial. No biological data available.

MECHANISM OF ACTION - None given.

USE - Device (I) is useful for implantation in the uterus or fallopian tubes. (I) is useful as an intracorporeal or extracorporeal device, a temporary or permanent implant, a stent, a vascular graft, an anastomotic device, an aneurysm repair device, an embolic device or an implantable device (orthopedic implants) (all claimed). (I) is also useful to prevent/reduce bio-fouling.

ADVANTAGE - The nanostructured components are embedded in a biocompatible polymer and the plurality of nanostructured components enhance one or more of adhesion, non-adhesion, friction, patency or anti-biofouling of (I) with one or more tissue surfaces of a body of a patient (claimed). (I) increases fluid flow due to hydrophobicity, increases adhesion and biointegration. (I) has enhanced surface areas. Dwg.0/6

L31 ANSWER 2 OF 7 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 2001-602723 [68] WPIDS

DOC. NO. NON-CPI: N2001-449750 DOC. NO. CPI: C2001-178556

TITLE: Transcutaneous device dressing for controlling

infection, includes antimicrobial material

without adhesives on bottom dressing having slit.

DERWENT CLASS: A96 B07 D22 P34

INVENTOR(S): BURRELL, R E; YIN, H Q

PATENT ASSIGNEE(S): (NUCR-N) NUCRYST PHARM CORP; (WEST-N) WESTAIM

BIOMEDICAL CORP

COUNTRY COUNT: 96

PATENT INFORMATION:

PATENT NO	KIND DATE	WEEK	LA	PG

WO 2001068179 Al 20010920 (200168) * EN 34

RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW

MZ NL OA PT SD SE SL SZ TR TZ UG ZW

W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT

RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

AU 2001039069 A 20010924 (200208)

EP 1263493 A1 20021211 (200301) EN

R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL

PT RO SE SI TR

KR 2002086640 A 20021118 (200320)

JP 2003526482 W 20030909 (200360) 46

AU 2001239069 B2 20041118 (200504)

APPLICATION DETAILS:

PATENT NO KIND APPLICATION DATE

WO	2001068179	A1	WO	2001-CA304	20010309
AU	2001039069	A	ΑU	2001-39069	20010309
EP	1263493	A1	ΕP	2001-913440	20010309
			WO	2001-CA304	20010309
KR	2002086640	A	KR	2002-711960	20020912
JP	2003526482	W	JP	2001-566740	20010309
			WO	2001-CA304	20010309
IJΑ	2001239069	B2	ΑU	2001-239069	20010309

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2001039069 EP 1263493 JP 2003526482 AU 2001239069	A Based on Al Based on W Based on B2 Previous Publ.	WO 2001068179 WO 2001068179 WO 2001068179 AU 2001239069
	Based on	WO 2001068179

PRIORITY APPLN. INFO: US 2000-524027 20000313

AN 2001-602723 [68] WPIDS

AB WO 200168179 A UPAB: 20011121

NOVELTY - Transcutaneous device dressing comprises an antimicrobial material provided without the use of adhesives at the upper and lower surfaces of a bottom dressing (22) and at least at the lower surface of a top dressing (20); and a slit (26) in the bottom dressing allowing the bottom dressing to contact the skin and a portion of the medical device protruding from the skin.

DETAILED DESCRIPTION - Transcutaneous device dressing comprises a top (20) and a bottom (22) dressing, both formed from a flexible material and having surfaces facing the skin when the dressing is in use. The bottom dressing has a slit (26) extending from one edge inwardly to a termination point (28) within the confines of the bottom dressing. An antimicrobial material is provided without the use of adhesives at the upper (38) and lower surfaces of the bottom dressing and at least at the lower surface (42) of the top dressing.

In use, the bottom dressing is placed next to the skin. The slit allows the bottom dressing to surround the puncture site so that the lower surface of the bottom dressing is in contact with the skin and the upper surface of the bottom dressing is in contact with a portion of the medical device protruding from the skin. The top dressing is placed above the puncture site so that its lower surface is in contact with a portion of the medical device protruding from the skin. Consequently, a part of the medical device protruding from the skin from above and below is exposed to the antimicrobial activity of the antimicrobial material.

An INDEPENDENT CLAIM is also included for a method of dressing the puncture site of a transcutaneous medical device by:

- (1) providing the transcutaneous device dressing, sliding the bottom dressing in place next to the skin;
- (2) applying the top dressing above the bottom dressing so that the lower surface at the top dressing is in contact with a portion of the medical device protruding from the skin;
- (3) applying a water- or alcohol-based electrolyte to the dressing to release the antimicrobial material, and
 - (4) fixing the top and bottom dressings to the skin.

USE - For dressing the puncture site of a transcutaneous medical device to limit or control infection by microorganisms from the

surrounding skin and a portion of the medical device that protrudes from the skin of a patient.

ADVANTAGE - The transcutaneous device dressing provides ease of placement. It is more effective than disc-type dressings which are laid flat under the transcutaneous device and which have only a limited portion (less than 3 mm thickness) in contact with the portion of the medical device protruding from the skin. The antimicrobial material is provided without adhesives which limit the effectiveness and long lasting ability of the material and which can be irritating to the skin.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic perspective view of a three-layer transcutaneous device dressing.

First layer 12

Second layer 14

Third layer 16

Top dressing 20

Bottom dressing 22

Fold line 24

Slit 26

Termination point 28

Upper surface of bottom dressing 38

Lower surface of top dressing 42

Dwg.2/6

L31 ANSWER 3 OF 7 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER:

2001-417458 [44] WPIDS

DOC. NO. NON-CPI: DOC. NO. CPI:

N2001-309348 C2001-126041

TITLE:

Ł

Endovascular stents comprise stent material,

antimicrobial agent and optional

antiinflammatory agent, provide immediate mechanical support to maintain vessel patency and slowly release

active agents.

DERWENT CLASS:

A96 B07 D16 D22 P34

INVENTOR(S):

LEE, C C

PATENT ASSIGNEE(S):

(LEEC-I) LEE C C

COUNTRY COUNT:

22

PATENT INFORMATION:

PATENT NO	KIND DATE	WEEK	LA	PG

WO 2001021229 A1 20010329 (200144) * EN 27

RW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

W: AU CA CN JP

AU 2001013667 A 20010424 (200144)

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2001021229	A1	WO 2000-US40979	20000922
AU 2001013667	Α	AU 2001-13667	20000922

FILING DETAILS:

PATENT NO	ΚI	ND		I	PATENT	ИО
AU 2001013667	Α	Based	on	WO	200102	21229

PRIORITY APPLN. INFO: US 1999-404577 19990923

AN 2001-417458 [44] WPIDS

AB WO 200121229 A UPAB: 20010809

NOVELTY - Endovascular (cardiovascular) stents comprise a stent material and an antimicrobial agent.

ACTIVITY - Antiarteriosclerotic; antibacterial; fungicide; virucide.

No biodata provided.

MECHANISM OF ACTION - None given.

USE - The stents are used to treat atherosclerotic plaques and atheromatous lesions (claimed). They are following angiography or bypass surgery to concomitantly support the blood vessel and treat the blood vessel tissue or the plaque by killing disease-causing microbes and relieving inflammation. They are used to administer antimicrobial agents such as disinfectants, antiseptics, antibiotics and antimicrobial polymers (aminoglycosides, amphenicols, ansamycins, beta -lactams, lincosamides, macrolides, polypeptides, tetramycins, cycloserine, mupirocin, tuberin, diaminopyridines, nitrofurans, quinolones and their analogs, sulfonamides, sulfones), antifungals (polyenes, allylamines, imidazoles, thiocarbamates and triazoles, acrisorcin, amorolfine, biphenamine, bromosalicylchoranilide, buclosamide, calcium propionate, chlorphenesin, ciclopirox, cloxyquin, coparaffinate, diamthazole dihydrochloride, exalamide, flucytosine, halethazole, hexetidine, loflucarban, niufuratel, potassium iodide, propionic acid, pyrithione, salicylanilide, sodium propionate, sulbentine, tenonitrozole, triacetin, ujothion, undecylenic acid, zinc propionate) and/or antivirals (nucleoside analogs, acemannan, acetylleucine, monoethanolamine, amantadine, amidinomycin, delavirdine, foscarnet sodium, indinavir, interferon (IFN) - alpha , IFN- beta , IFN- gamma , kethoxal, lysozyme, methisazone, moroxydine, nevirapine, podophyllotoxin, ribavirin, rimantadine, ritonavir, saquinavir, stallimycin, statolon, tromantadine, xenazoic acid) and antiinflammatory drugs including non-steroidal antiinflammatory drugs (aminoarylcarboxylic acid derivatives, arylacetic acid derivatives, arylbutyric acid derivatives, arylcarboxylic acids, arylpropionic acid derivatives, pyrazoles, pyrazolones, salicylic acid derivatives, thiazine carboxamides, epsilon -acetamidocaproic acid,sadenosylmethionine, 3-amino-4-hydroxybutyric acid, amixetrine, bendazac, benzydamine, alpha -bisabolol, bucolome, difenpiramidem, ditazol, emorfazone, fepradinol, guaiazulene, nabumetone, nimesulide, oxaceprol, paranuline, perisoxal, proquazone, superoxide dismutase, tenidap and zileuton.

ADVANTAGE - The stent provides immediate mechanical support to maintain the patency of the treated blood vessel and also slowly releases antimicrobial and optional antiinflammatory agents directly into the diseased blood tissue or plaque infected by microbes to treat any microbial infection and inflammation. Dwg.0/0

L31 ANSWER 4 OF 7 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER:

2000-380780 [33] WPIDS N2000-286219

DOC. NO. NON-CPI:
DOC. NO. CPI:

C2000-115787

TITLE:

Grindstone processing method for grinding cutter and

metals involves coating grindstone with antimicrobial metal sol consisting of

silver, copper, zinc,

tin, lead, magnesium and titanium.

DERWENT CLASS:

i

D22 L02 M13 P61

PATENT ASSIGNEE(S):

(CHUK-N) CHUKYO KENMA KK; (NINA-I) NINAGAWA M;

(OKAH-N) OKAHATA TOKAI KK

COUNTRY COUNT:

PATENT INFORMATION:

KIND DATE WEEK LA PG PATENT NO _____ JP 2000127047 A 20000509 (200033) * 5

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
JP 2000127047	A	JP 1998-338368	19981022

PRIORITY APPLN. INFO: JP 1998-338368

19981022

2000-380780 [33] WPIDS AN

JP2000127047 A UPAB: 20000712

NOVELTY - The grindstone is coated with antimicrobial metal sol to form antimicrobial film surrounding the grinding particles. The antimicrobial coating includes metals like silver, copper, zinc, tin, lead, magnesium and titanium, oxide of ceramic, zirconium, chromium, silicon carbide, silicon, diamond, silica and mullite.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for manufacturing method of anti-microbial metal soluble

USE - For grinding cutter such as knife, door knob, metals used in stainless steel bathtub and buffet.

ADVANTAGE - Prevents contamination of foodstuff processed using knife from common bacteria, fungi. Provides good sanitary effect in bathtub and buffet. Dwg.1/2

L31 ANSWER 5 OF 7 JAPIO (C) 2006 JPO on STN

ACCESSION NUMBER: 1998-298611

JAPIO

TITLE:

AB

ANTIBACTERIAL SINTERED CUTTING TOOL

INVENTOR: HIRAI AKIRA PATENT ASSIGNEE(S): HIRAI AKIRA

PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 10298611	 А	19981110		B22F005-00

APPLICATION INFORMATION

STN FORMAT: JP 1997-142877

19970425

ORIGINAL: PRIORITY APPLN. INFO.: JP 1997-142877 19970425

JP09142877

Heisei

SOURCE:

PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined

Applications, Vol. 1998

AN 1998-298611 JAPIO

AB PROBLEM TO BE SOLVED: To obtain material-blending conditions and a treatment temperature for providing antibacterial characteristic to a cutting tool composed of a sintered compact in which titanium is used as an essential material and to provide an antibacterial sintered cutting tool combining first-class sharpness required of a

Searcher :

Shears 571-272-2528

cutting tool for cooking with necessary toughness. SOLUTION: Titanium powder or titanium-alloy powder is used as a first material, and titanium carbide powder and silver powder are used as a second material and a third material, respectively. A mixture of these materials is compacted in a die under (1 to 15) ton/cm<SP>2</SP> pressure and then sintered at <=1500°C in vacuum or in rare gases, and the resultant sintered compact is edged to form a cutting tool. As to the blending proportions of the materials, the amount of the second material is regulated to 5-50 weight% of the amount of the first material, and the amount of the third material is regulated to 0.1-10 weight% of the total amount of the first and the second material, and further, the blending proportions of these materials are selected so that the hardness of the sintered compact becomes >=HRC35.

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L31 ANSWER 6 OF 7 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 1997-241605 [22]

WPIDS

DOC. NO. NON-CPI: DOC. NO. CPI:

N1997-199651 C1997-077865

TITLE:

Ultrafine antibacterial ceramics

powder maintaining bactericidal effect for long period - including oxide(s) of titanium

, zinc, manganese and aluminium, silicon

carbide or oxide and silver or

copper.

DERWENT CLASS: PATENT ASSIGNEE(S):

D22 E32 L02 P34 (TOKU-I) TOKUDA M

COUNTRY COUNT:

PATENT INFORMATION:

PATENT NO	KIND DATE	WEEK	LA	PG
JP 09077620 JP 3130775	A 19970325 B2 20010131	(199722)*		 6 5

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
JP 09077620	 А	JP 1995-274638	19950918
JP 3130775	B2	JP 1995-274638	19950918

FILING DETAILS:

PATENT NO	KIND	PATENT NO
JP 3130775	B2 Previous Publ.	JP 09077620

PRIORITY APPLN. INFO: JP 1995-274638 19950918

1997-241605 [22] WPIDS

AR JP 09077620 A UPAB: 19970530

> Ultrafine antibacterial ceramics powder, having a particle size of not more than 1 mu m, comprises 30-50 weight % of silicon carbide or silicon oxide, 15-25 weight % of alumina oxide, 7-15 weight % of manganese oxide, 7-15 weight % of zinc oxide, 2-5 weight % of titanium oxide and 0.1-1 weight % of silver or copper.

USE - The ultrafine antibacterial ceramics

powder can be coated or printed on various products to impart a long lasting antibacterial property.

ADVANTAGE - As the ultrafine ceramics powder efficiently radiates electromagnetic waves from near infrared to far infrared range, water molecule is resonated and the biological function of the bacterium is inhibited so the growth of the bacterium is inhibited. The electromagnetic waves in UV range resonate and excite manganese oxide and titanium oxide besides, the manganese oxide works catalytically to allow the titanium oxide show strong oxidation power, the bacteria in wide range can be killed and the odour from the bacteria can be decomposed. As zinc oxide is reduced and silver (or copper) can be prevented from becoming passive, the oligodynamic effect can be shown for a long time to maintain the bactericidal effect.

Dwg.1/2

L31 ANSWER 7 OF 7 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 1991-161245 [22] WPIDS

DOC. NO. NON-CPI: N1991-123613 DOC. NO. CPI: C1991-069942

TITLE: Cloth with functional powdery granules bonded to it -

giving it temperature retaining properties, antibacterial effect and deodorising effect.

DERWENT CLASS: A17 A60 A94 D22 F06 P21 PATENT ASSIGNEE(S): (DAIK-N) DAIKURE KK

COUNTRY COUNT:

PATENT INFORMATION:

APPLICATION DETAILS:

PATENT NO KIND		APPLICATION	DATE
JP 03097904	Α	JP 1989-233394	19890908

PRIORITY APPLN. INFO: JP 1989-233394 19890908

AN 1991-161245 [22] WPIDS AB JP 03097904 A UPAB: 19930928

Mfg. a cloth with a functional powdery granule, such as zirconium carbide powder, copper sulphate,

chitin, etc., a mixture of the functional powder such as far-infrared ray-radiating ceramics and a thermoplastic resin binder such as polyethylene is coated over a surface layer composed of a tearable base material, eg., low-strength nonwoven fabric, aluminium foil, etc., which is peelably bonded to a base material, to form a sheet with functional powder, and the sheet is laminated on a clothing material by positioning the mixture on the clothing material and heating causing the mixture to adhere to the clothing material under a pressure, followed by separation of the base material to obtain a cloth with functional powder or granule.

USE/ADVANTAGE - The cloth has good temperature retaining property, good antibacterial effect, and good deodorising effect, resulting from the functional powdery granule bonded to the cloth.

0/9

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FILE 'PLASPEC' ENTERED AT 15:15:14 ON 30 JAN 2006 COPYRIGHT (C) 1997 BILL COMMUNICATIONS, INC.

L32 8 SEA ABB=ON PLU=ON L20 AND (ANTIMICROB? OR ANTI(W) (BACTER? OR MICROB!OCID? OR MICROBICID?

OR BACTERICID? OR BACTERIOCID?) (5A) (ARTICLE OR WARE)

L33 8 SEA ABB=ON PLU=ON L28 AND (ANTIMICROB? OR ANTI(W) (BACTER? OR MICROB!OCID? OR MICROBICID?

OR BACTERICID? OR BACTERIOCID?) (5A) (ARTICLE OR WARE)

L34 8 SEA ABB=ON PLU=ON L32 OR L33 L35 8 DUP REM L34 (0 DUPLICATES REMOVED)

L35 ANSWER 1 OF 8 PROMT COPYRIGHT 2006 Gale Group on STN

ACCESSION NUMBER: 2005:695216 PROMT

TITLE: Companies. (A O Smith Electrical Products

Co-KRAL-USA) (Directory)

SOURCE: Power Engineering, (Dec 2005) Vol. 109, No. 12, pp.

79(45).

ISSN: ISSN: 0032-5961.

PUBLISHER: PennWell Publishing Corp.

DOCUMENT TYPE: Newsletter LANGUAGE: English WORD COUNT: 44432

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

AB The Companies section of the Buyers' Guide lists more than 1,750 companies that supply products and services to the power generation industry. Companies are listed alphabetically along with their address, phone and fax numbers, e-mail address, web address, and a short company description.

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Subscription: \$28.00 per year. Published monthly. P O Box 1440, Tulsa, OK 74101.

L35 ANSWER 2 OF 8 PROMT COPYRIGHT 2006 Gale Group on STN

ACCESSION NUMBER: 2002:721315 PROMT

TITLE: Price movements February 2002.

SOURCE: PPI Detailed Report, (Feb 2002) pp. 1(164).

ISSN: ISSN: 1099-2855.

PUBLISHER: U.S. Bureau of Labor Statistics

DOCUMENT TYPE: Newsletter LANGUAGE: English WORD COUNT: 243346

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

The Producer Price Index for Finished Goods increased 0.2 percent in February, seasonally adjusted. This rise followed a 0.1-percent advance in January and a 0.6-percent decrease in December. At the earlier stages of processing, prices for intermediate goods edged down 0.1 percent in February, after a similar decline in the prior month, and the crude goods index turned down 0.8 percent, following a 3.7-percent increase in January. (See table A.)

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Subscription: \$56.00 per year. Published monthly. 2 Massachusetts Ave., N.E., Washington, DC 20212.

L35 ANSWER 3 OF 8 PROMT COPYRIGHT 2006 Gale Group on STN

ACCESSION NUMBER: 2001:372498 PROMT

TITLE: COMPANY.

SOURCE: Implement & Tractor, (Annual 2001) pp. 4.

ISSN: 0019-2953.

PUBLISHER: Freiburg Publishing Co. Inc.

DOCUMENT TYPE: Newsletter LANGUAGE: English WORD COUNT: 78063

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

AB A & I PRODUCTS

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Subscription: \$25.00 per year. Published bimonthly. 2302 West 1st

Street, Cedar Falls, IA 50613. FAX 319-277-3783.

L35 ANSWER 4 OF 8 PROMT COPYRIGHT 2006 Gale Group on STN

ACCESSION NUMBER: 2000:1301199 PROMT

TITLE: Recalculation of seasonal adjustment factors. SOURCE: PPI Detailed Report, (Jan 2000) pp. 9(178).

ISSN: ISSN: 1099-2855.

PUBLISHER: U.S. Bureau of Labor Statistics

DOCUMENT TYPE: Newsletter LANGUAGE: English WORD COUNT: 263705

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

AB Effective with this report, seasonal adjustment factors have been recalculated to reflect 1999 price movement patterns for stage-of-processing (SOP) and commodity groupings. This routine annual recalculation may affect affect seasonally adjusted indexes and percent changes from January 1995 to the present. Revised seasonally adjusted data for this period, as well as seasonal factors for commodity indexes to be used through December 2000, are available, on request, from BLS. The table below shows 1999 monthly seasonally adjusted percent changes for the three major SOP categories calculated with the old seasonal factors, compared with the percent changes for recalculated indexes. The latter incorporate new seasonal factors that reflect 1999 price movement patterns.

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L35 ANSWER 5 OF 8 PROMT COPYRIGHT 2006 Gale Group on STN

ACCESSION NUMBER: 2000:1301354 PROMT

TITLE: Improvements in the PPI for physicians.
SOURCE: PPI Detailed Report, (Feb 2000) pp. 8(170).

ISSN: ISSN: 1099-2855.

PUBLISHER: U.S. Bureau of Labor Statistics

DOCUMENT TYPE: Newsletter LANGUAGE: English

WORD COUNT: 262702

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

Changes in the Publication Structure AB

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L35 ANSWER 6 OF 8 PROMT COPYRIGHT 2006 Gale Group on STN

ACCESSION NUMBER:

2000:1301356 PROMT

TITLE:

Price movements March 2000.

SOURCE:

PPI Detailed Report, (March 2000) pp. 1(173).

ISSN: ISSN: 1099-2855.

PUBLISHER:

U.S. Bureau of Labor Statistics

DOCUMENT TYPE: LANGUAGE:

Newsletter English 263803

WORD COUNT:

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

The Producer Price Index for Finished Goods increased 1.0 percent in AR March, seasonally adjusted. This rise followed a 1.0-percent rise in February and no change in January. Prices received by producers of intermediate goods rose 0.9 percent, following a 0.8-percent gain in the prior month. The crude goods index increased 1.8 percent, after a 4.2-percent advance February. (See table A.)

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L35 ANSWER 7 OF 8 PROMT COPYRIGHT 2006 Gale Group on STN

ACCESSION NUMBER:

2000:1301358 PROMT

TITLE:

Price movements April 2000.

SOURCE:

PPI Detailed Report, (April 2000) pp. 1(173).

ISSN: ISSN: 1099-2855.

PUBLISHER:

U.S. Bureau of Labor Statistics

DOCUMENT TYPE: LANGUAGE:

Newsletter English

267524

WORD COUNT:

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

The Producer Price Index for Finished Goods declined 0.3 percent in April, seasonally adjusted. This decrease followed increases of 1.0 percent in February and March. The index for finished goods other than foods and energy rose 0.1 percent, the same as a month ago. Prices received by producers of intermediate goods fell 0.1 percent, after posting a 0.9-percent gain in the prior month. The crude goods index turned down 2.5 percent, following a 1.8-percent advance a month earlier. (See table A.)

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L35 ANSWER 8 OF 8 PROMT COPYRIGHT 2006 Gale Group on STN

ACCESSION NUMBER:

2000:1301841 PROMT

TITLE:

Price movements May 2000.

SOURCE:

PPI Detailed Report, (May 2000) pp. 1(173).

Searcher Shears 571-272-2528 :

ISSN: ISSN: 1099-2855.

PUBLISHER: U.S. Bureau of Labor Statistics

DOCUMENT TYPE: Newsletter LANGUAGE: English WORD COUNT: 263605

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

AB The Producer Price Index for Finished Goods showed no change in May, seasonally adjusted. This followed a 0.3-percent decrease in April and a 1.0-percent gain in March. The index for finished goods other than foods and energy rose 0.2 percent, after increasing 0.1 percent for 2 consecutive months. Prices received by producers of intermediate goods fell 0.1 percent, the same rate as last month. The crude goods index turned up 3.2 percent, following a 2.5-percent decline a month earlier. (See table A.)

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FILE 'HOME' ENTERED AT 15:15:17 ON 30 JAN 2006

=> d his ful

(FILE	'HOME'	ENTERE	D AT	14:27:44	ON	30	JAN	2006)
	Si	ET COST	OFF					

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FILE 'REGISTRY' ENTERED AT 14:32:38 ON 30 JAN 2006
               E COPPER/CN 5
L1
              1 SEA ABB=ON PLU=ON COPPER/CN
               E SILVER/CN 5
              1 SEA ABB=ON PLU=ON SILVER/CN
L2
               E ZINC/CN 5
              1 SEA ABB=ON PLU=ON ZINC/CN
L3
               E ZINC ALLOY/CN
               E ZINC ALLOYS/CN
         104237 SEA ABB=ON PLU=ON (ZINC ALLOY? OR COPPER ALLOY?)/CN
L4
               E ZIRCONIUM NITRIDE/CN 5
L5
            381 SEA ABB=ON PLU=ON ZIRCONIUM NITRIDE ?/CN
           2311 SEA ABB=ON PLU=ON (CHROMIUM NITRIDE ? OR TITANIUM
L6
               NITRIDE ?)/CN
                E NITRIDE/CN 5
             21 SEA ABB=ON PLU=ON NITRIDE ?/CN
ь7
                E CARBIDE/CN
              6 SEA ABB=ON PLU=ON (CARBIDE/CN OR "CARBIDE (C174-)"/CN OR
L8
                "CARBIDE (C254-)"/CN OR "CARBIDE (C334-)"/CN OR "CARBIDE
                (C414-)"/CN OR "CARBIDE (C94-)"/CN)
           2643 SEA ABB=ON PLU=ON L5 OR L6 OR L7 OR L8
ь9
    FILE 'HCAPLUS' ENTERED AT 14:36:23 ON 30 JAN 2006
L*** DEL 71769 S L9 OR (CR OR CHROMIUM OR TI OR TITANIUM OR ZR OR ZIRCONIU
L*** DEL2826136 S L1 OR L2 OR L3 OR L4 OR ZINC OR COPPER OR SILVER OR AG OR
L*** DEL 25458 S L10 AND L11
L*** DEL
              3 S L12 AND LO W?/AU
               D TI AU 1-3
               D .BEVSTR1
     FILE 'REGISTRY' ENTERED AT 14:42:15 ON 30 JAN 2006
           201 SEA ABB=ON PLU=ON CHROMIUM NITRIDE?/CN
L10
           2123 SEA ABB=ON PLU=ON TITANIUM NITRIDE?/CN
L11
L12
              3 SEA ABB=ON PLU=ON L1 OR L2 OR L3
           2649 SEA ABB=ON PLU=ON L5 OR L10 OR L11 OR L7 OR L8
L13
     FILE 'HCAPLUS' ENTERED AT 14:44:00 ON 30 JAN 2006
       1959868 SEA ABB=ON PLU=ON L12 OR COPPER OR CU OR ZN OR ZINC OR
L14
                SILVER OR AG
          71792 SEA ABB=ON PLU=ON L13 OR (CR OR CHROMIUM OR TI OR
L15
               TITANIUM OR ZR OR ZIRCONIUM OR METAL) (5A) NITRIDE OR
               METAL (5A) CARBIDE
          11095 SEA ABB=ON PLU=ON L14 AND L15
L16
L17
           7515 SEA ABB=ON PLU=ON L16 AND (SUBSTRATE OR ALLOY OR L4 OR
                STAINLESS STEEL OR CERAMIC OR PLASTIC)
L18
              3 SEA ABB=ON PLU=ON L17 AND LO W?/AU
               D KWIC
               D QUE L17
             18 SEA ABB=ON PLU=ON L17 AND (ANTIMICROB? OR ANTI(W) (BACTER?
L19
                OR MICROB?) OR ANTIBACTER? OR MICROBIOCID? OR MICROBICID?
                OR BACTERICID? OR BACTERIOCID?)
L*** DEL
           1009 S MICROBIOCID?
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Searcher : Shears 571-272-2528

D KWIC

FILE 'REGISTRY' ENTERED AT 14:52:45 ON 30 JAN 2006

FILE 'HCAPLUS' ENTERED AT 14:52:45 ON 30 JAN 2006 D OUE L19

D L19 1-18 .BEVSTR

FILE 'MEDLINE, BIOSIS, EMBASE, WPIDS, CONFSCI, SCISEARCH, JICST-EPLUS, JAPIO' ENTERED AT 14:52:48 ON 30 JAN 2006

- L20 5865 SEA ABB=ON PLU=ON L16 AND (SUBSTRATE OR ALLOY OR STAINLESS STEEL OR CERAMIC OR PLASTIC)
- L21 29 SEA ABB=ON PLU=ON L20 AND (ANTIMICROB? OR ANTI(W) (BACTER? OR MICROB!OCID? OR MICROBICID? OR BACTERICID? OR BACTERIOCID?)
- L22 29 DUP REM L21 (0 DUPLICATES REMOVED)
 D 1-29 IBIB ABS
- FILE 'REGISTRY' ENTERED AT 14:58:13 ON 30 JAN 2006
 L23 7675 SEA ABB=ON PLU=ON (ZIRCONIUM CARBIDE? OR CHROMIUM CARBIDE?)/CN
- FILE 'HCAPLUS' ENTERED AT 15:00:45 ON 30 JAN 2006
- L24 14051 SEA ABB=ON PLU=ON L14 AND (L15 OR (TIN OR ZRN OR CRN) (S)NITRIDE OR (ZR OR ZIRCONIUM OR CR OR CHROMIUM OR TI OR TITANIUM) (5A)CARBIDE)
- L25 9624 SEA ABB=ON PLU=ON L24 AND (SUBSTRATE OR ALLOY OR L4 OR STAINLESS STEEL OR CERAMIC OR PLASTIC)
- L26
 23 SEA ABB=ON PLU=ON L25 AND (ANTIMICROB? OR ANTI(W) (BACTER? OR MICROB!O) OR MICROBICID? OR BACTERICID? OR BACTERIOCID?)

D QUE L23 D QUE L26

- L27 5 SEA ABB=ON PLU=ON L26 NOT L19 D 1-5 .BEVSTR
 - FILE 'MEDLINE, BIOSIS, EMBASE, WPIDS, CONFSCI, SCISEARCH, JICST-EPLUS, JAPIO' ENTERED AT 15:03:05 ON 30 JAN 2006
- L28 7523 SEA ABB=ON PLU=ON L24 AND (SUBSTRATE OR ALLOY OR STAINLESS STEEL OR CERAMIC OR PLASTIC)
- L29 36 SEA ABB=ON PLU=ON L28 AND (ANTIMICROB? OR ANTI(W) (BACTER? OR MICROB!O) OR MICROBICID? OR BACTERICID? OR BACTERIOCID?)
- L30 7 SEA ABB=ON PLU=ON L29 NOT L21
- L31 7 DUP REM L30 (0 DUPLICATES REMOVED)
 D 1-7 IBIB ABS
- FILE 'RAPRA, PROMT, PLASPEC' ENTERED AT 15:07:14 ON 30 JAN 2006
- L*** DEL 33 S L21
- L*** DEL 37 S L29
- L*** DEL 37 S L32 OR L33
- L*** DEL 37 DUP REM L34 (0 DUPLICATES REMOVED)
 D KWIC
- L*** DEL 19 S L35 AND (WARE OR ARTICLE)
- L*** DEL 30 S L35 NOT (PY=>2004 OR PD=>20040310)
- L*** DEL 17 S L*** AND (WARE OR ARTICLE)
 D 1-17 IBIB ABS
- FILE 'MEDLINE' ENTERED AT 15:09:56 ON 30 JAN 2006 L*** DEL 63119 S (SILVER OR ZINC OR COPPER)/CT E NITRIDES/CT 5

E CARBIDE/CT 5
E ZIRCONIUM NITRIDE/CT 5

FILE 'RAPRA, PROMT, PLASPEC' ENTERED AT 15:12:02 ON 30 JAN 2006

8 SEA ABB=ON PLU=ON L20 AND (ANTIMICROB? OR ANTI(W) (BACTER?

OR MICROB?) OR ANTIBACTER? OR MICROBIOCID? OR MICROBICID?

OR BACTERICID? OR BACTERIOCID?) (5A) (ARTICLE OR WARE)

8 SEA ABB=ON PLU=ON L28 AND (ANTIMICROB? OR ANTI(W) (BACTER?

OR MICROB?) OR ANTIBACTER? OR MICROBIOCID? OR MICROBICID?

OR BACTERICID? OR BACTERIOCID?) (5A) (ARTICLE OR WARE)

L34 8 SEA ABB=ON PLU=ON L32 OR L33

L35 8 DUP REM L34 (0 DUPLICATES REMOVED)

FILE 'RAPRA, PROMT, PLASPEC' ENTERED AT 15:15:14 ON 30 JAN 2006 D 1-8 IBIB ABS

FILE 'HOME' ENTERED AT 15:15:17 ON 30 JAN 2006

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 29 JAN 2006 HIGHEST RN 872967-60-7 DICTIONARY FILE UPDATES: 29 JAN 2006 HIGHEST RN 872967-60-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

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* The CA roles and document type information have been removed from * the IDE default display format and the ED field has been added, * effective March 20, 2005. A new display format, IDERL, is now * available and contains the CA role and document type information. * *

Structure search iteration limits have been increased. See HELP SLIMI for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

FILE HCAPLUS

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FILE COVERS 1907 - 30 Jan 2006 VOL 144 ISS 6 FILE LAST UPDATED: 29 Jan 2006 (20060129/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE MEDLINE

FILE LAST UPDATED: 28 JAN 2006 (20060128/UP). FILE COVERS 1950 TO DA

On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 will soon be available. For details on the 2005 reload, enter HELP RLOAD at an arrow promt (=>). See also:

http://www.nlm.nih.gov/mesh/

http://www.nlm.nih.gov/pubs/techbull/nd04/nd04 mesh.html

http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.ht

http://www.nlm.nih.gov/pubs/techbull/nd05/nd05 2006 MeSH.html

OLDMEDLINE is covered back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2006 vocabulary.

This file contains CAS Registry Numbers for easy and accurate

FILE BIOSIS

FILE COVERS 1969 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 25 January 2006 (20060125/ED)

FILE EMBASE

FILE COVERS 1974 TO 26 Jan 2006 (20060126/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

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FILE WPIDS

FILE LAST UPDATED: 24 JAN 2006 <20060124/UP>
MOST RECENT DERWENT UPDATE: 200606 <200606/DW>
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

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http://scientific.thomson.com/support/patents/dwpiref/reftools/classif

>>> PLEASE BE AWARE OF THE NEW IPC REFORM IN 2006, SEE http://www.stn-international.de/stndatabases/details/ipc_reform.html http://scientific.thomson.com/media/scpdf/ipcrdwpi.pdf <<<

FILE COVERS 1973 TO 25 May 2005 (20050525/ED)

FILE SCISEARCH

FILE COVERS 1974 TO 26 Jan 2006 (20060126/ED)

SCISEARCH has been reloaded, see HELP RLOAD for details.

FILE JICST-EPLUS FILE COVERS 1985 TO 25 JAN 2006 (20060125/ED)

THE JICST-EPLUS FILE HAS BEEN RELOADED TO REFLECT THE 1999 CONTROLLED TERM (/CT) THESAURUS RELOAD.

FILE JAPIO

FILE LAST UPDATED: 02 JAN 2006 <20060102/UP>
FILE COVERS APR 1973 TO SEPTEMBER 29, 2005

- >>> GRAPHIC IMAGES AVAILABLE <<<
- >>> NEW IPC8 DATA AND FUNCTIONALITY NOT YET AVAILABLE IN THIS FILE.

 USE IPC7 FORMAT FOR SEARCHING THE IPC. WATCH THIS SPACE FOR FURTHE

 DEVELOPMENTS AND SEE OUR NEWS SECTION FOR FURTHER INFORMATION

 ABOUT THE IPC REFORM <<<

FILE RAPRA

FILE LAST UPDATED: 23 JAN 2006 <20060123/UP>
FILE COVERS 1972 TO DATE

- >>> Simultaneous left and right truncation is available in the
 basic index (/BI), and in the controlled term (/CT),
 geographical term (/GT), and non-polymer term (/NPT) fields. <<</pre>
- >>> The RAPRA Classification Code is available as a PDF file

- >>> and may be downloaded free-of-charge from:
- >>> http://www.stn-international.de/stndatabases/details/rapra classco
- >>> NEW IPC8 DATA AND FUNCTIONALITY NOT YET AVAILABLE IN THIS FILE.

 USE IPC7 FORMAT FOR SEARCHING THE IPC. WATCH THIS SPACE FOR FURTHE

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FILE PROMT

FILE COVERS 1978 TO 28 JAN 2006 (20060128/ED)

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FILE PLASPEC

FILE LAST UPDATED: JUNE 13, 1997

This file contains CAS Registry Numbers for easy and accurate substance identification.